

Motion Graph Matching Quizzes

Kinematics Unit



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Robert Prior

Motion graphs are one way of describing an object's motion. This package contains five quizzes, each with 12 pairs of graphs, to evaluate students' abilities matching position-time and velocity-time graphs.

It can be used on its own, or as a companion to the **KineCards** set.

Inside

Simple motion

2

These graphs all represent a single type of motion — for example, constant positive velocity.

Compound motion

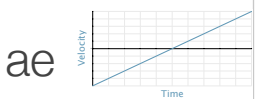
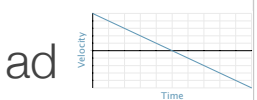
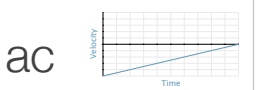
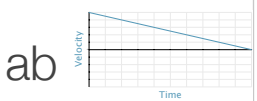
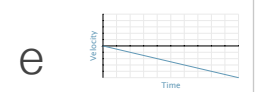
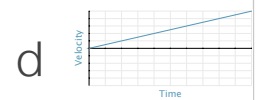
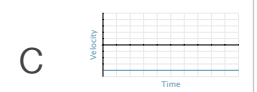
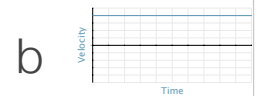
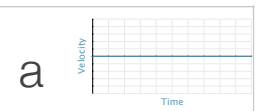
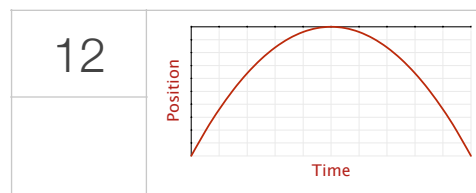
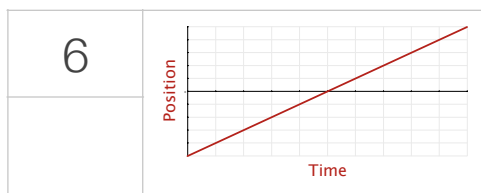
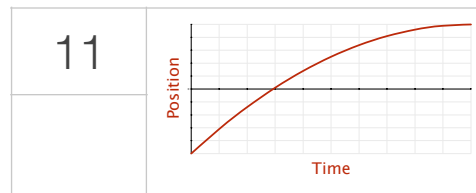
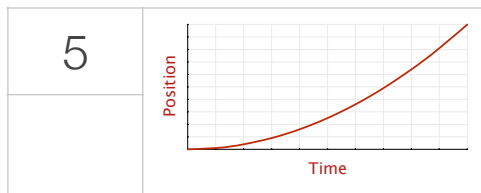
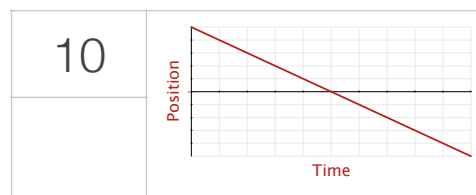
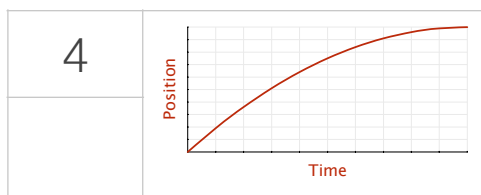
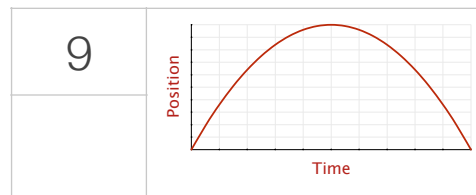
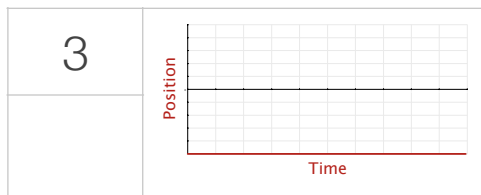
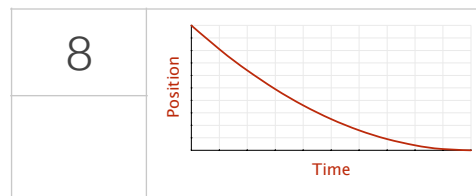
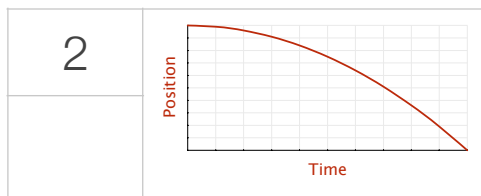
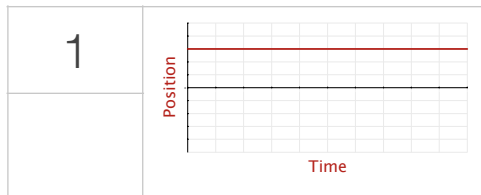
6

These graphs represent more than one type of motion — for example, at rest followed by constant positive velocity.

Graph Matching Quiz

A

For each position-time graph, write the letter of the corresponding velocity-time graph.



bc none of the above

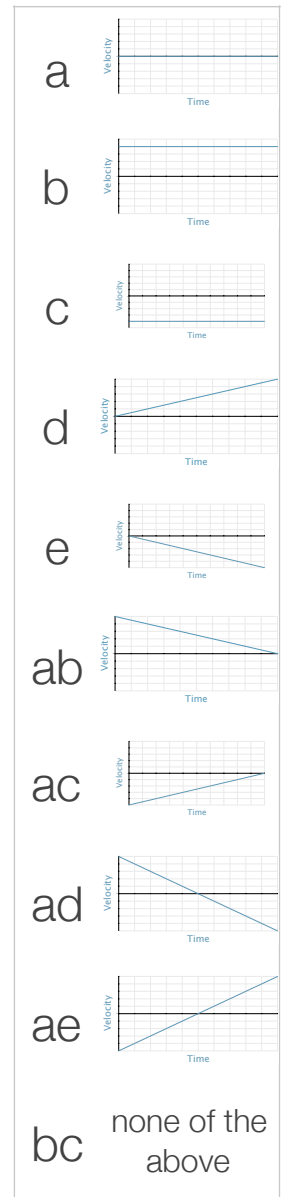
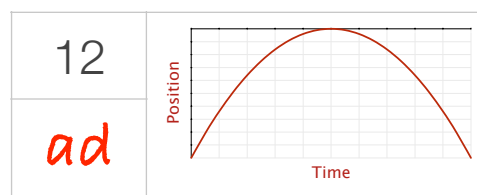
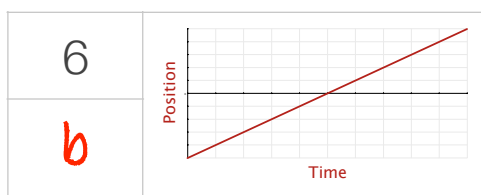
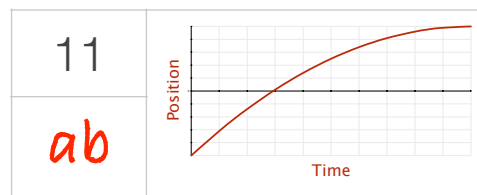
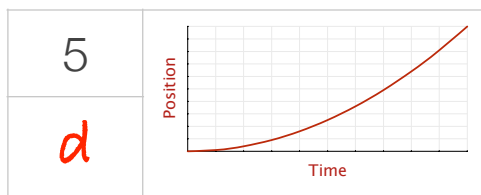
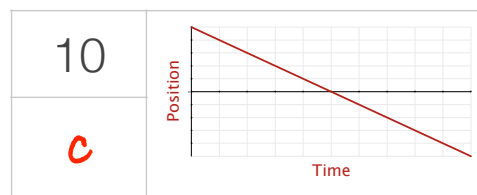
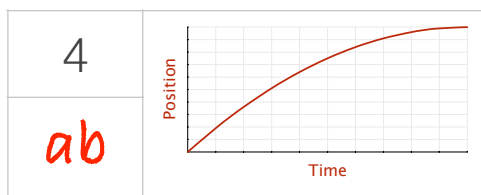
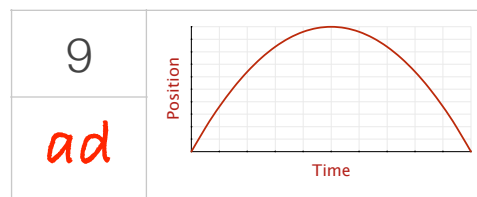
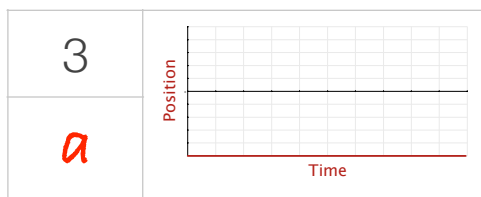
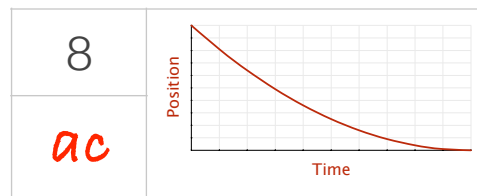
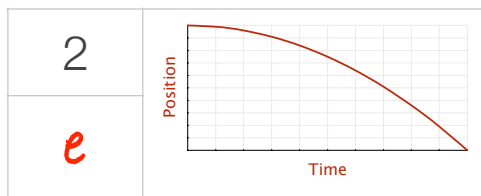
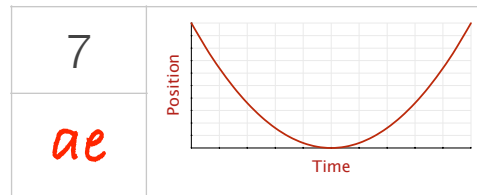
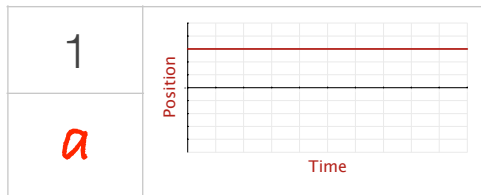
Mark

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Graph Matching Quiz

A

For each position-time graph, write the letter of the corresponding velocity-time graph.



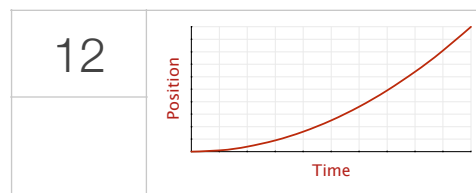
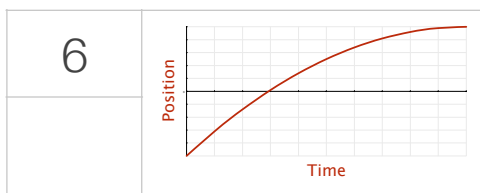
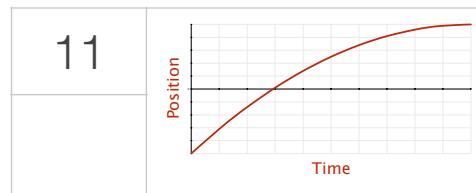
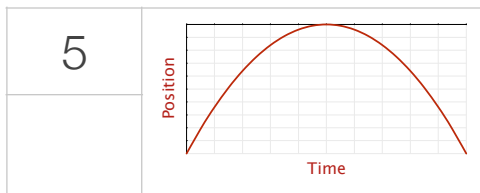
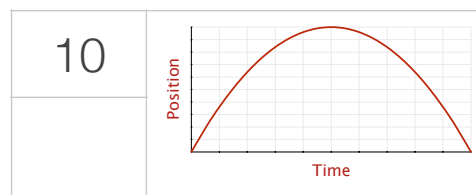
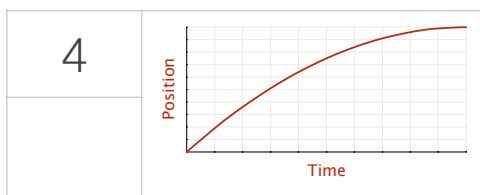
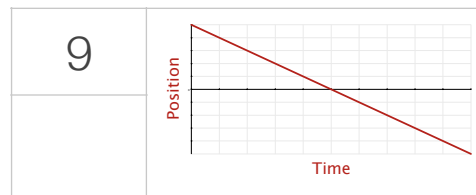
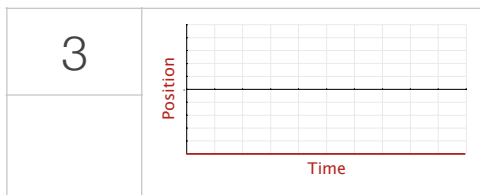
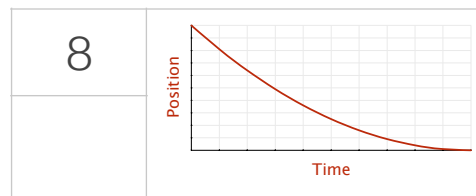
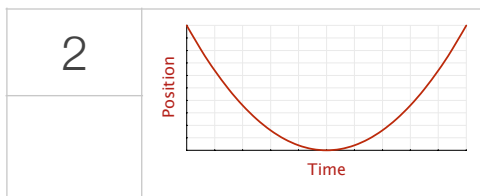
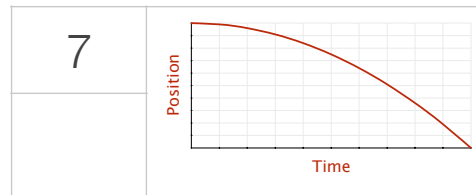
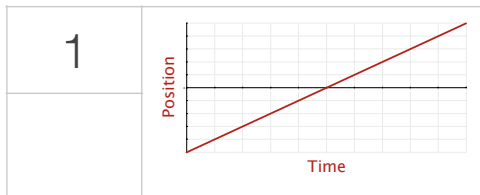
Mark

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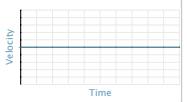
Graph Matching Quiz

B

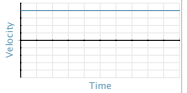
For each position-time graph, write the letter of the corresponding velocity-time graph.



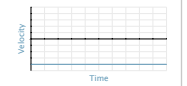
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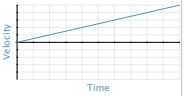
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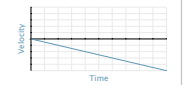
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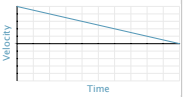
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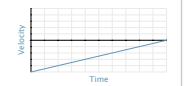
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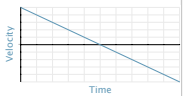
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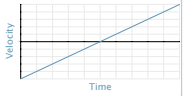
ac



ad



ae



bc

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above

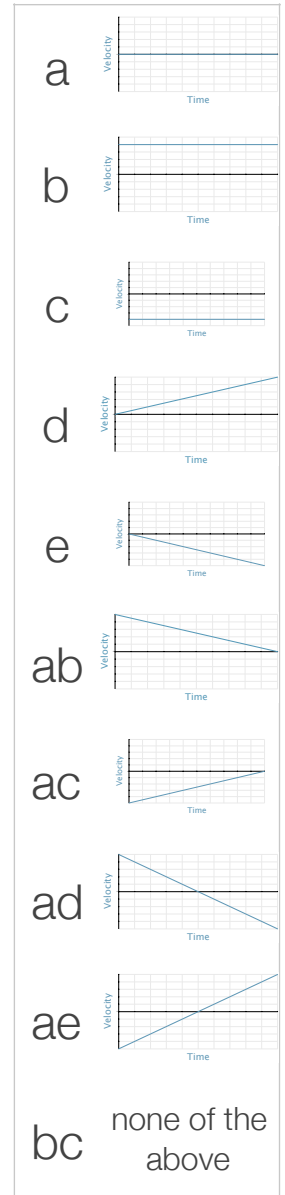
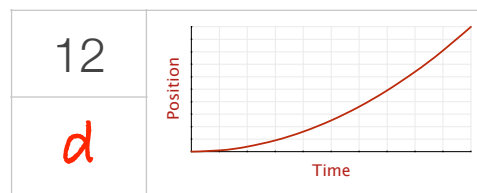
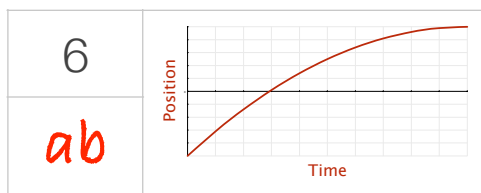
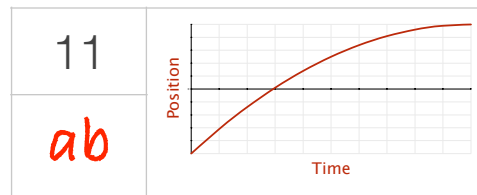
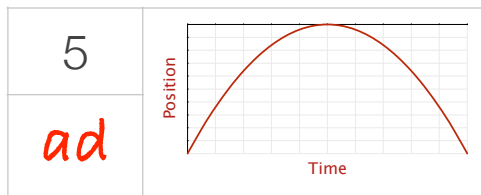
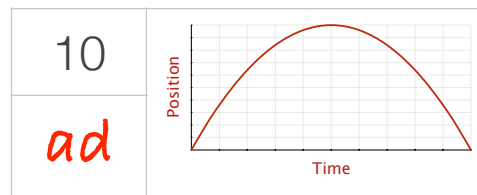
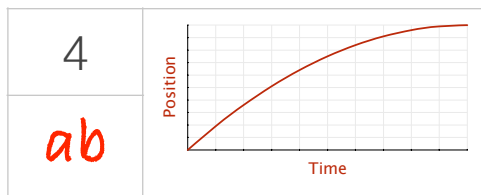
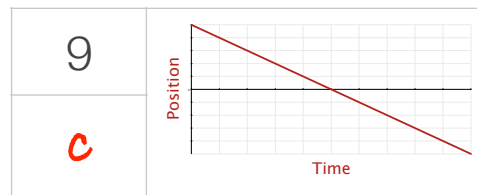
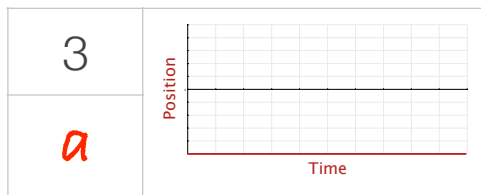
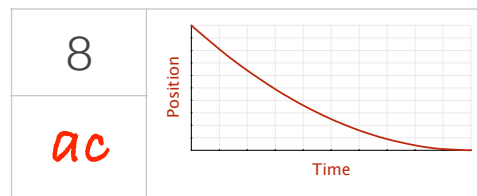
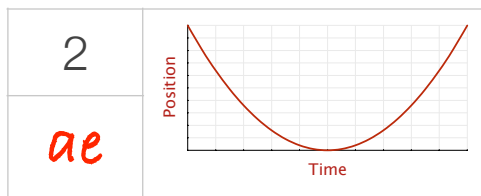
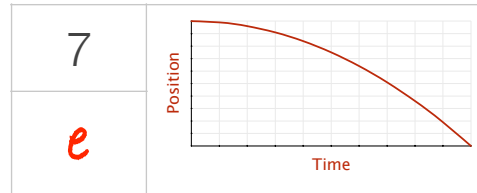
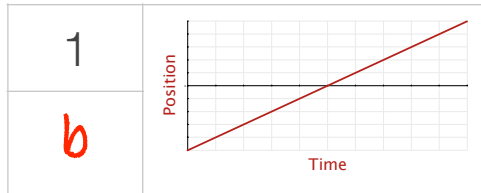
Mark

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Graph Matching Quiz

B

For each position-time graph, write the letter of the corresponding velocity-time graph.



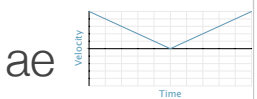
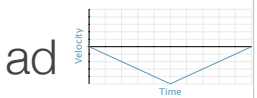
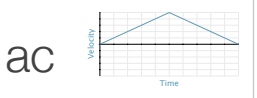
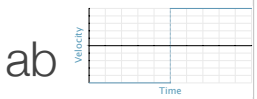
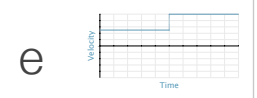
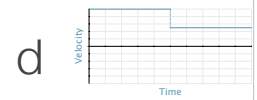
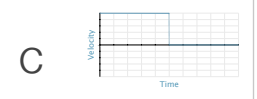
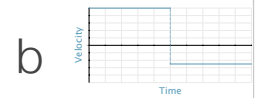
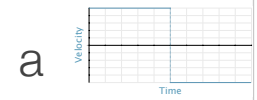
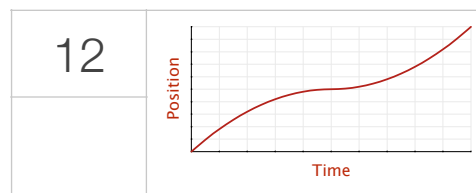
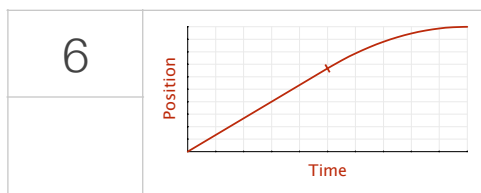
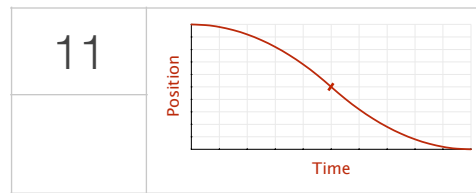
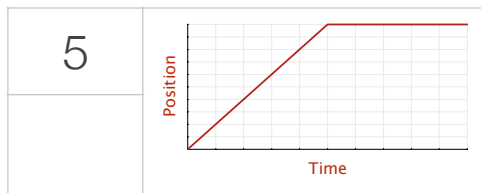
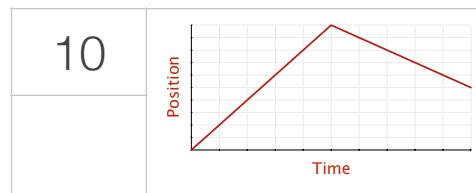
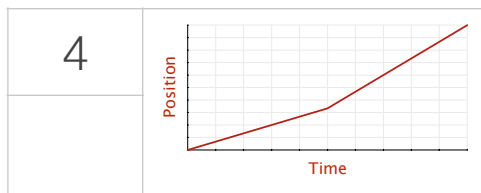
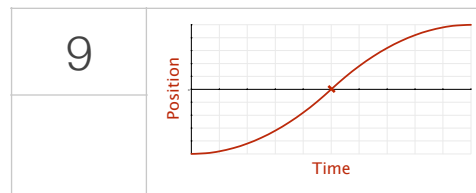
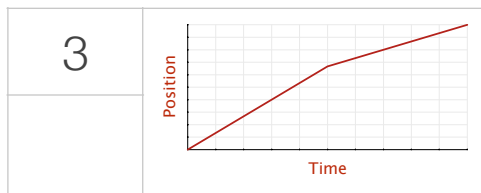
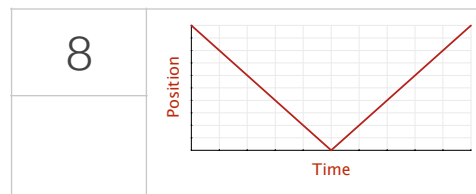
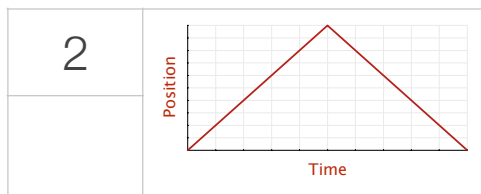
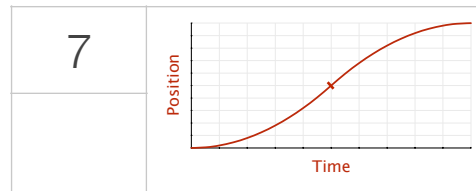
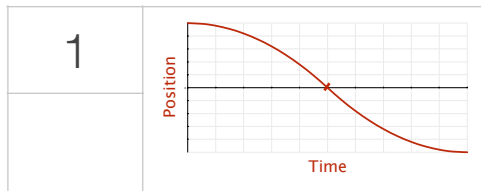
Mark

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Graph Matching Quiz

C

For each position-time graph, write the letter of the corresponding velocity-time graph.



bc none of the above

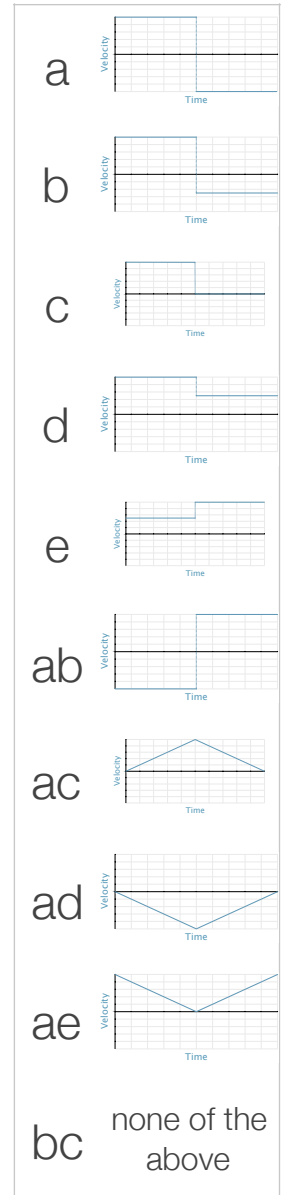
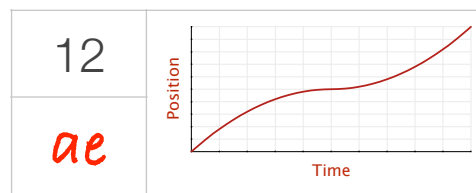
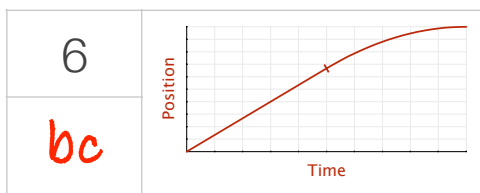
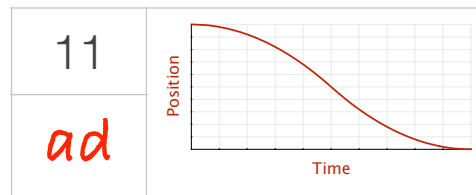
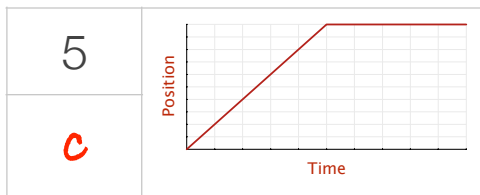
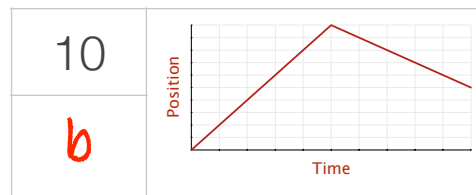
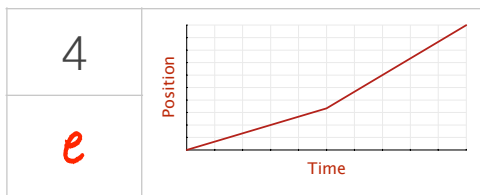
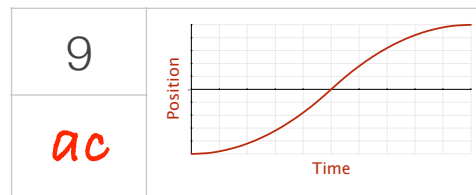
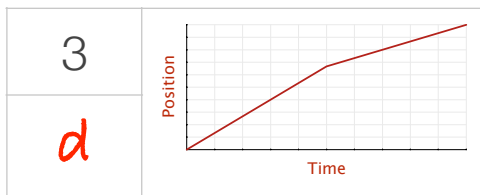
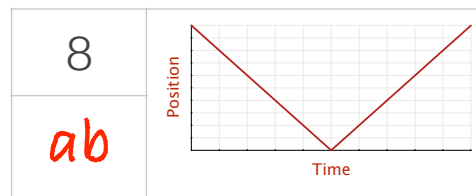
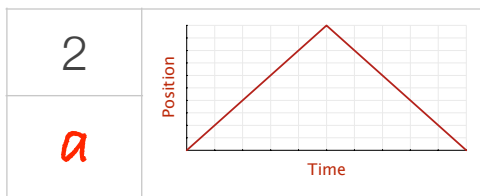
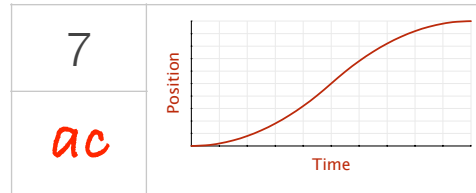
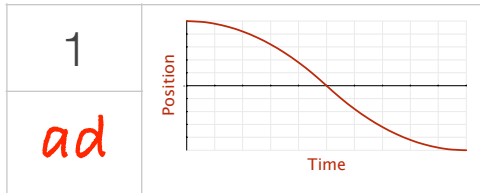
Mark

/12

Graph Matching Quiz

C

For each position-time graph, write the letter of the corresponding velocity-time graph.



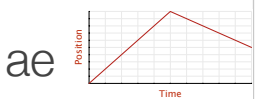
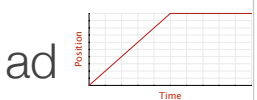
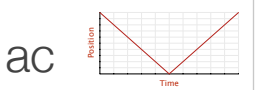
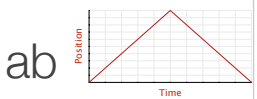
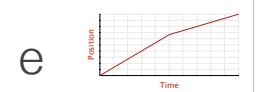
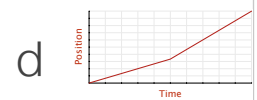
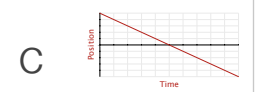
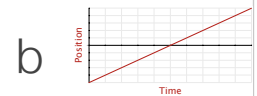
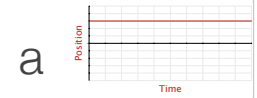
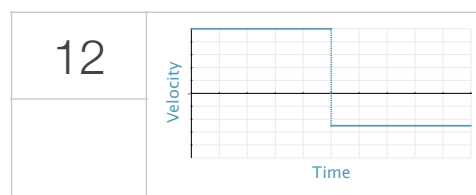
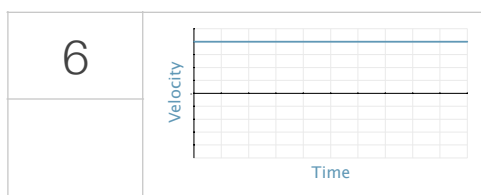
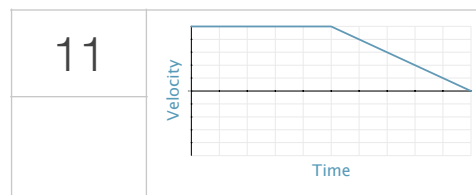
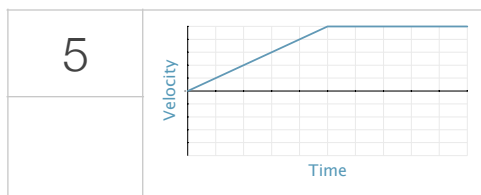
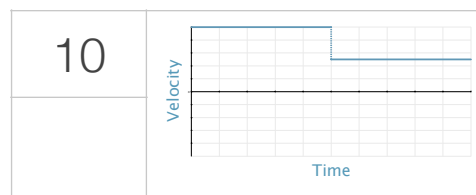
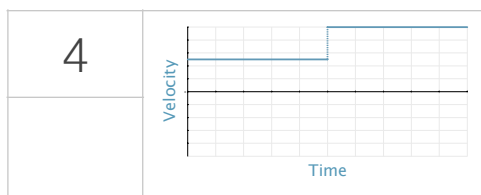
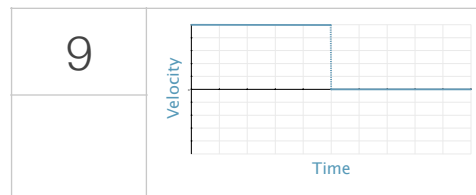
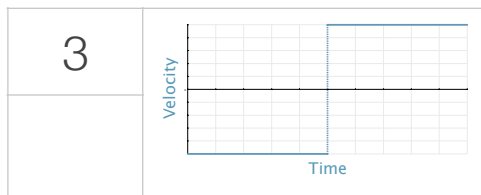
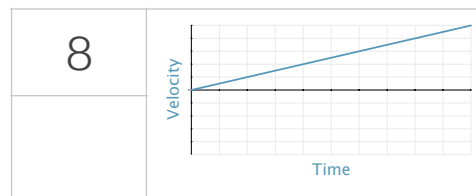
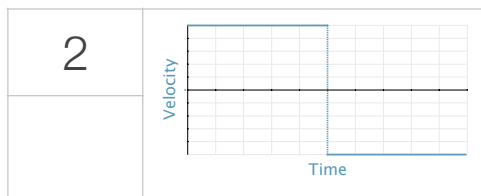
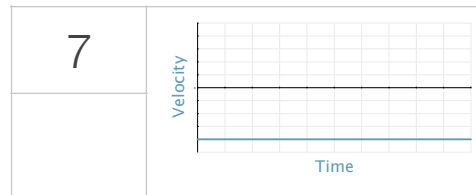
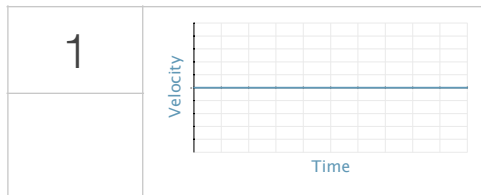
Mark

/12

Graph Matching Quiz

D

For each velocity-time graph, write the letter of the corresponding position-time graph.



bc none of the above

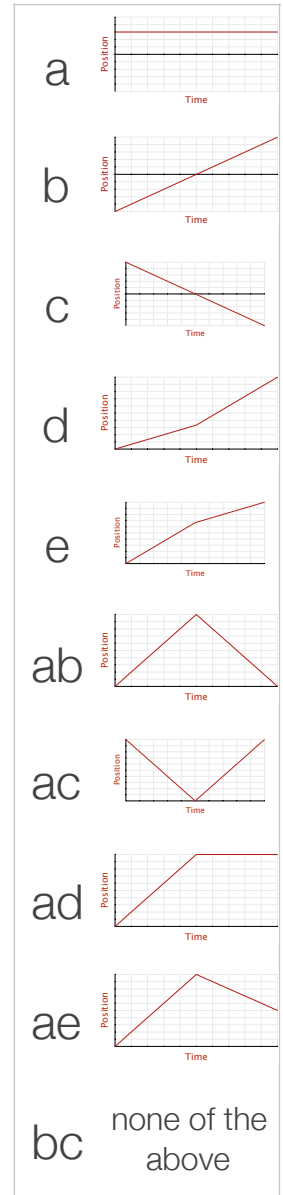
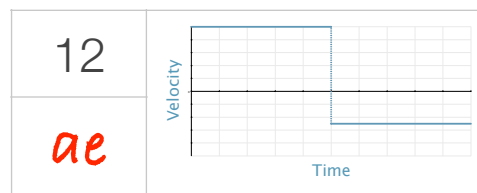
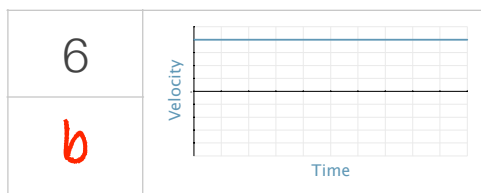
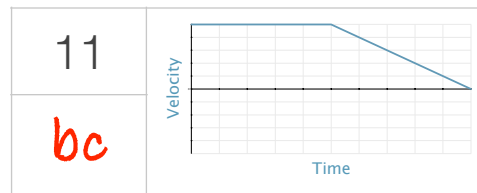
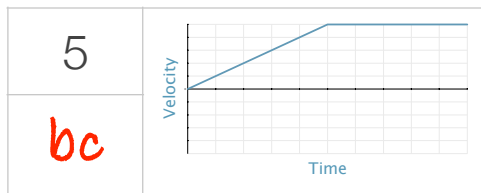
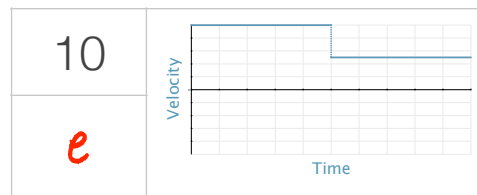
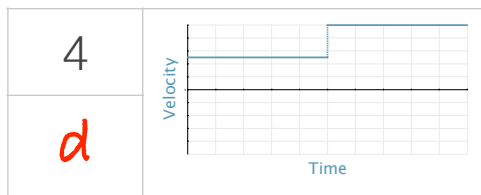
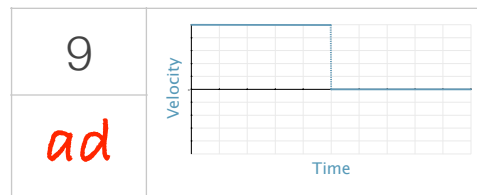
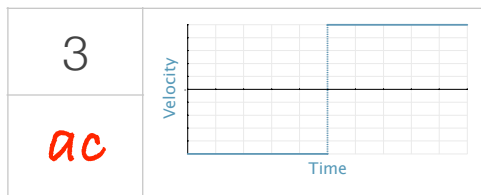
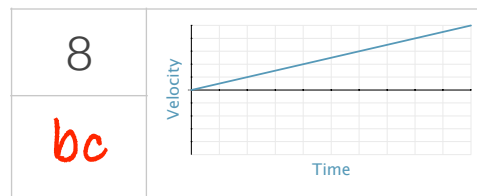
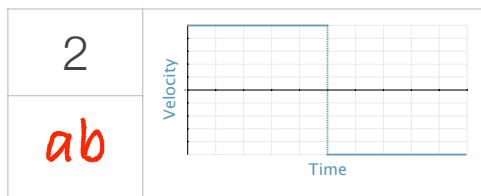
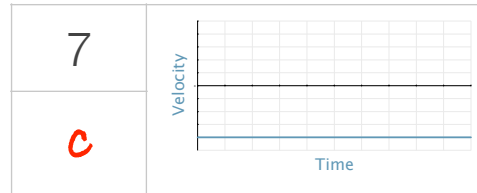
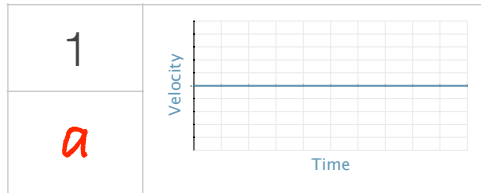
Mark

/12

Graph Matching Quiz

D

For each velocity-time graph, write the letter of the corresponding position-time graph.



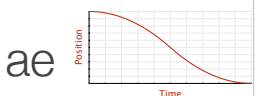
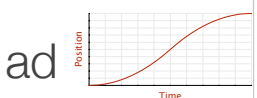
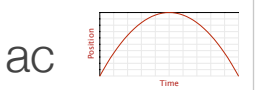
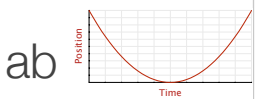
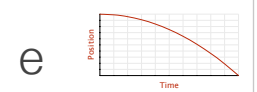
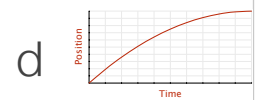
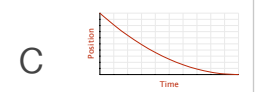
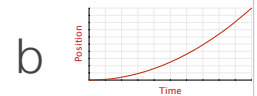
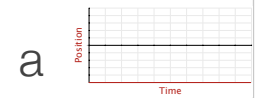
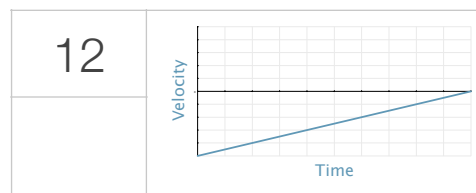
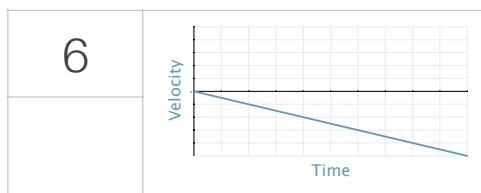
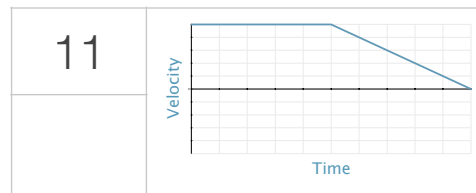
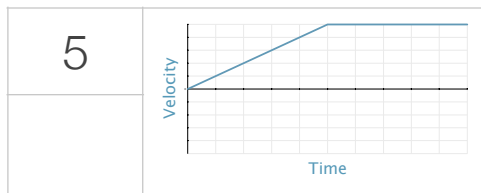
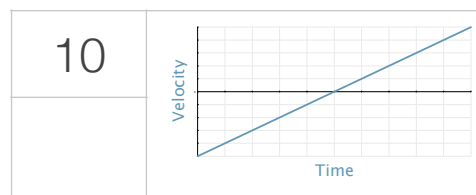
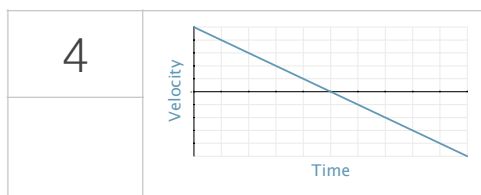
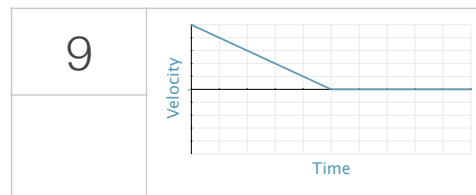
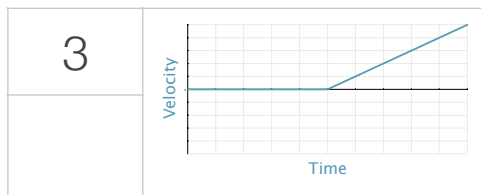
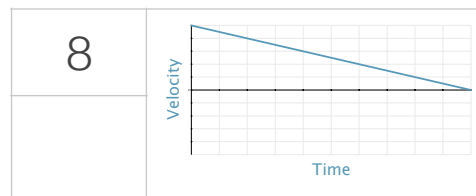
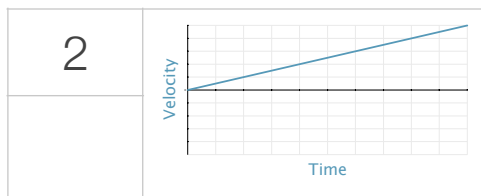
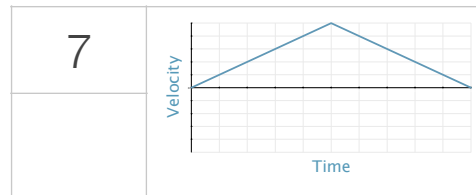
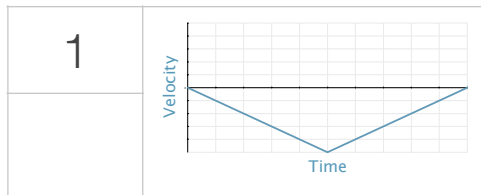
Mark

/12

Graph Matching Quiz

E

For each velocity-time graph, write the letter of the corresponding position-time graph.



bc none of the above

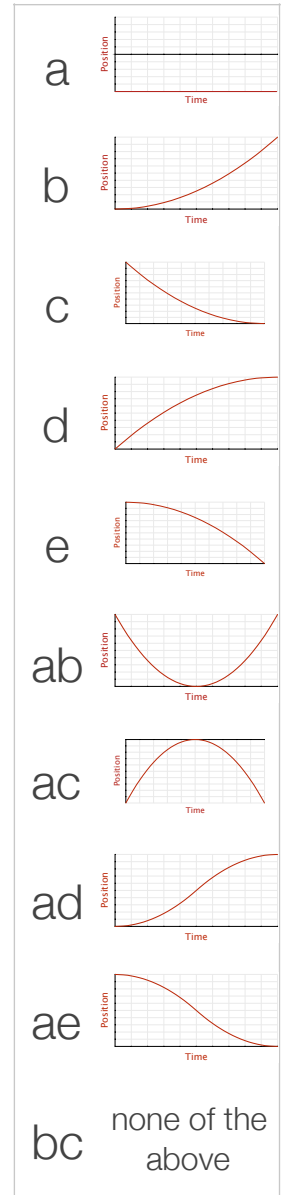
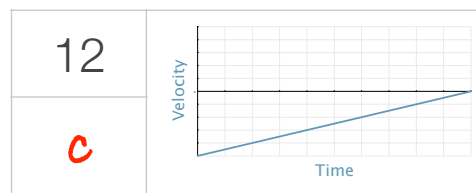
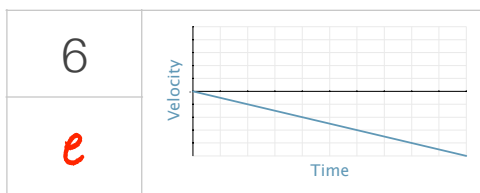
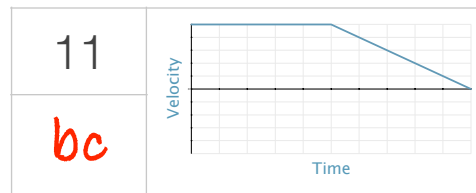
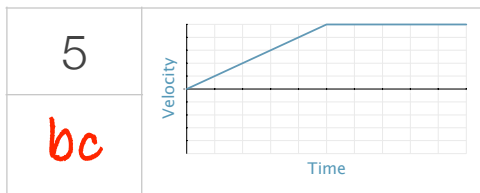
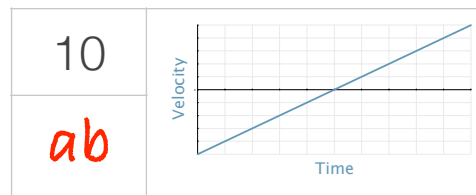
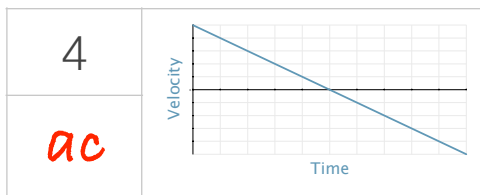
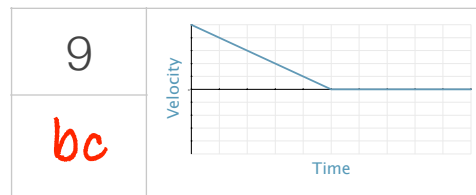
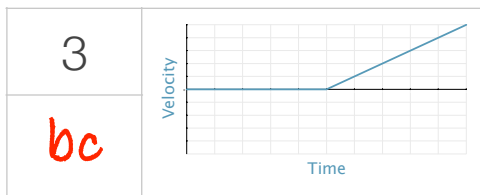
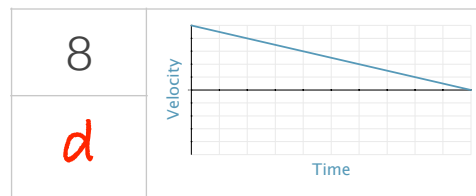
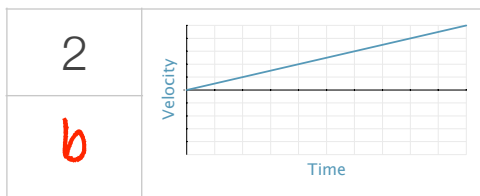
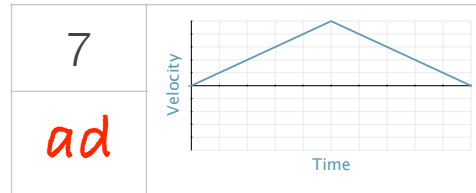
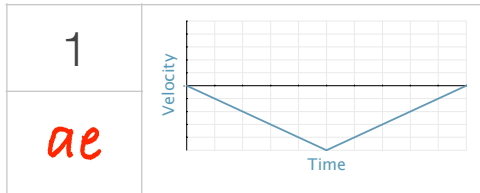
Mark

/12

Graph Matching Quiz

E

For each velocity-time graph, write the letter of the corresponding position-time graph.



Mark

/12