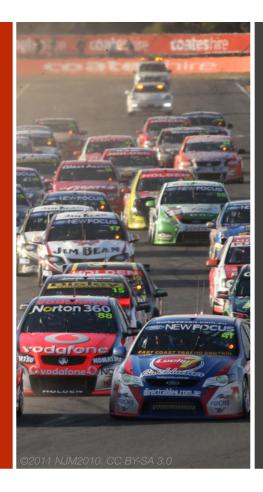
2

3

Motion Graph Matching Kinematics Unit



Motion graphs are one way of describing an object's motion. This package contains thirty pairs of graphs, to provide practice matching position-time and velocity-time graphs. It can be used on its own, or as a companion to the **KineCards** set.

Instructions

- Print pages 1-8, either single-sided or doublesided.
- Print pages 9-11 single-sided, and cut out the graphs.
- Each graph that you cut out matches one of the graphs on pages 2-7. Position-time graphs match velocity-time graphs, and vice versa. Glue or tape the graphs in the correct position.
- Once you've finished, check your answers to see if you're correct.

Inside

Simple Motion

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

Compound Motion

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

Any Kind of Motion

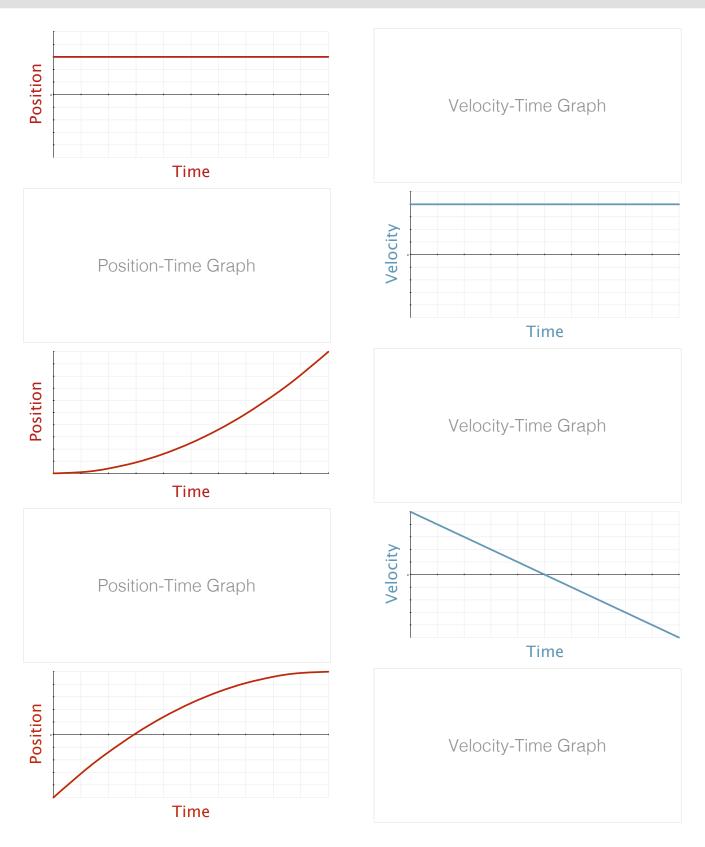
These graphs may be either simple or compound motion.

Answer Key

Check your answer to see if they are correct.

Simple Motion

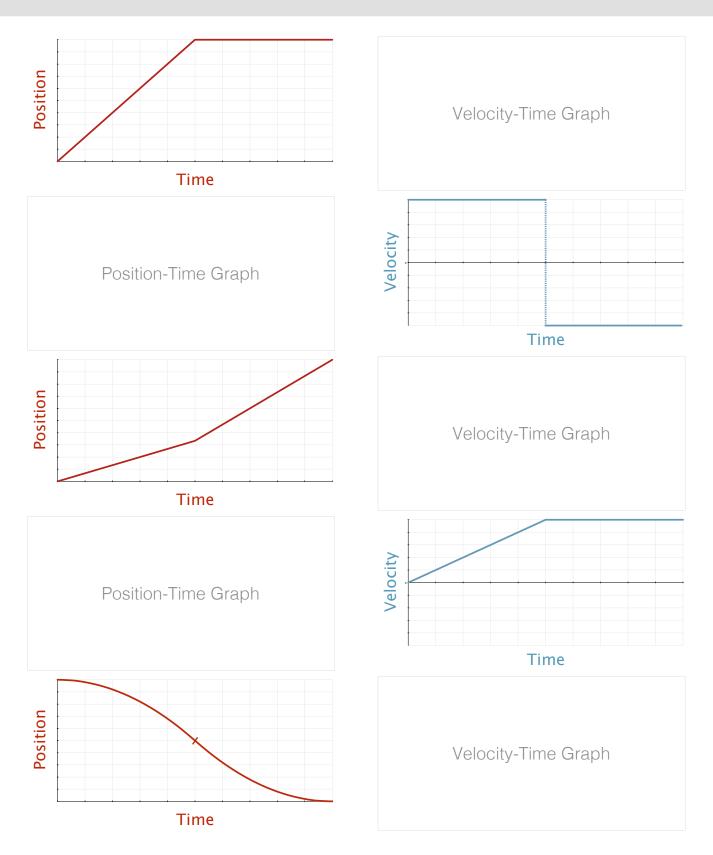
These graphs all represent a single type of motion — for example, *constant positive velocity*.



Page 2 ©2016 Robert Prior

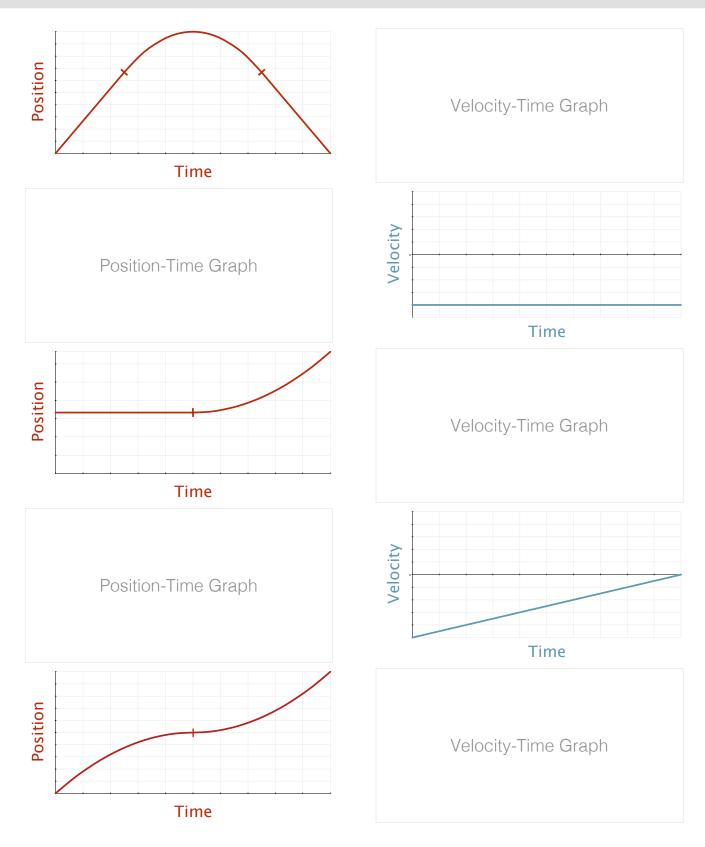
Compound Motion

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



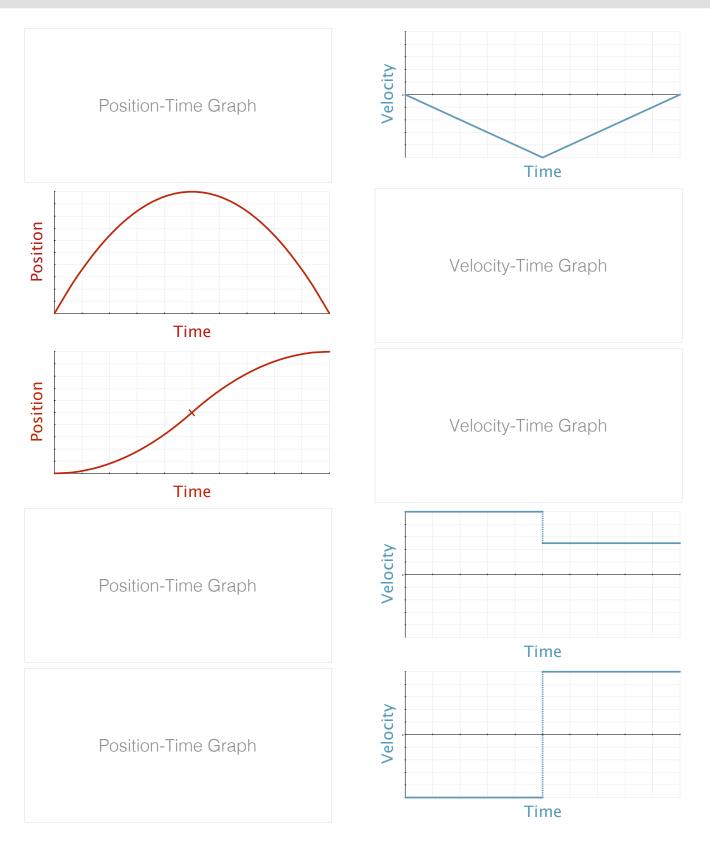
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These graphs may be either simple or compound motion.



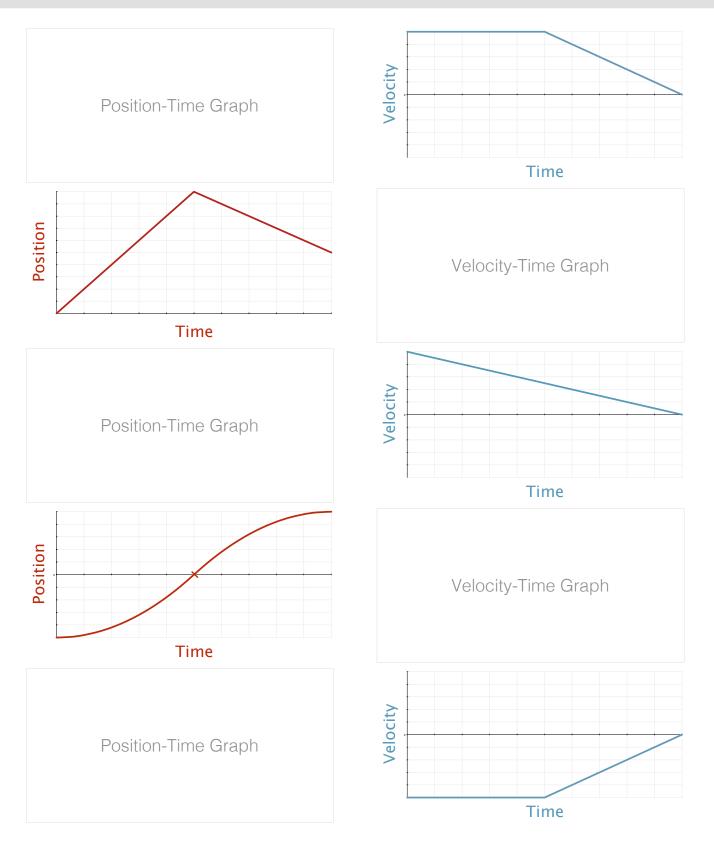
Page 4 ©2016 Robert Prior

These graphs may be either simple or compound motion.



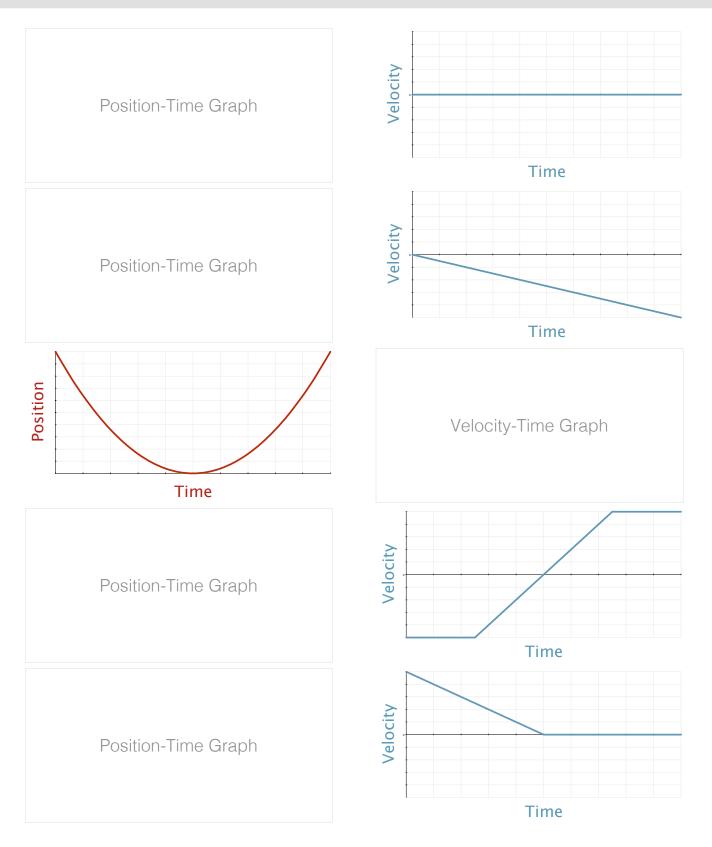
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These graphs may be either simple or compound motion.



Page 6 ©2016 Robert Prior

These graphs may be either simple or compound motion.

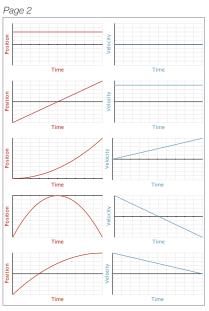


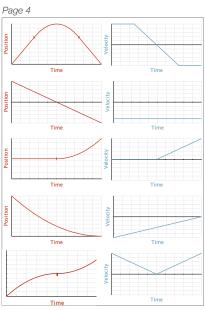
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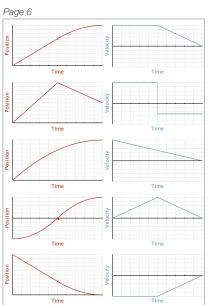


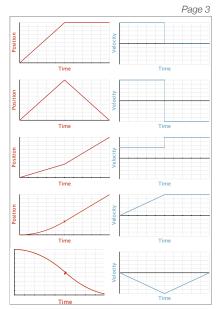
Science is the great antidote to the poison of enthusiasm and superstition.

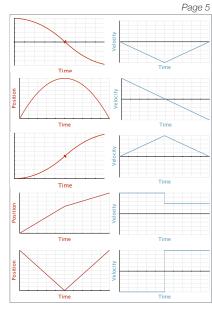
Adam Smith, The Wealth of Nations

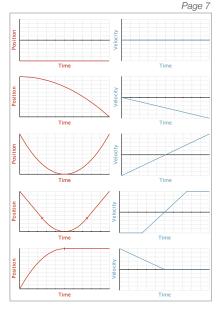




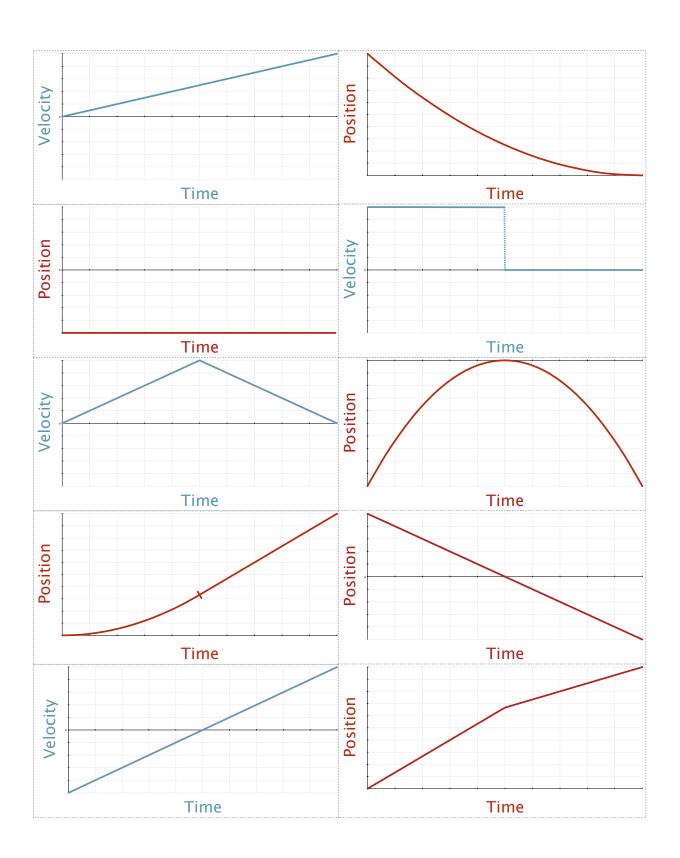




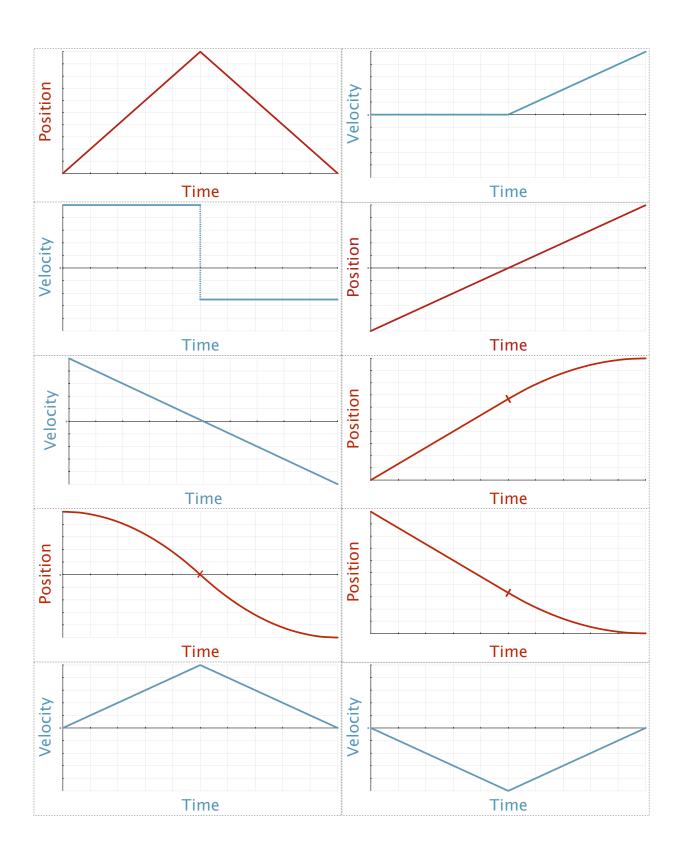




Cut these graphs out. For each graph, find its matching graph in the booklet and glue it beside it.



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