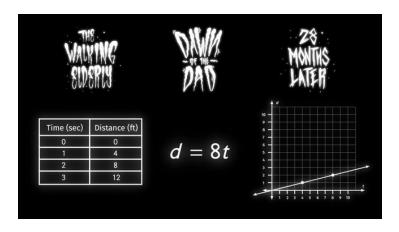
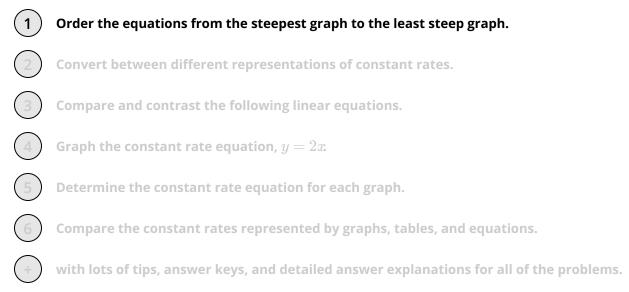
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Comparing Constant Rates







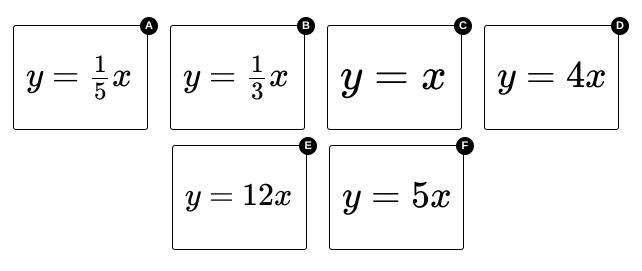
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Order the equations from the steepest graph to the least steep graph.

Consider the steepness of the graphs of each of the equations below. Arrange each of the equations below from steepest to least steep.



CORRECT ORDER

Hints for solving these problems



Order the equations from the steepest graph to the least steep graph.

Hint #1

The steepness of the graph is determined by the slope. A bigger slope means a steeper graph.

Hint #2

Given an equation in the form y = mx, the slope is m.

Hint #3

The slope of the line y=10x is 10. The slope of the line $y=\frac{1}{9}x$ is $\frac{1}{9}$. The graph of y=10x is steeper than the graph of $y=\frac{1}{9}$.



Answers and detailed answer explanations for these problems



Order the equations from the steepest graph to the least steep graph.

Answer key: E, F, D, C, B, A

- The steepest line is y = 12x. This is because it has the largest slope, 12.
- The least steep line is $y=\frac{1}{5}x$. It has the smallest slope, $\frac{1}{5}$.
- Remember, the line y=x can be written as y=1x. It has a slope of 1.

