GRADE 7 MATH · HOMEWORK · ADVANCED

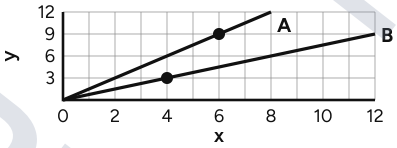
Recognize Graphs of Proportional Relationships

SCORE / 25

01 Part A · Practice

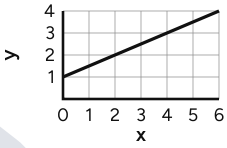
A proportional graph is a straight line through (0, 0); a steeper line has a greater constant of proportionality.

1 ●○○ Find the constant of proportionality for line *A* and line *B*. Which is greater?



2 ●○○ Which equation has a graph that is a straight line through the origin: $y = 20x + 1$ or $y = 30x$? Give its k.

3 ●○○ Does the graph show a proportional relationship? Explain.



4 ●○○ Line 1 goes through (0, 4) and (3, 124). Line 2 goes through (0, 0) and (3, 120). Which line shows a proportional relationship? Give its k.

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Preview - the full worksheet and its answer key are at primeworksheet.com