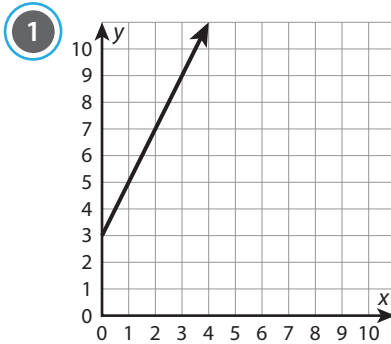


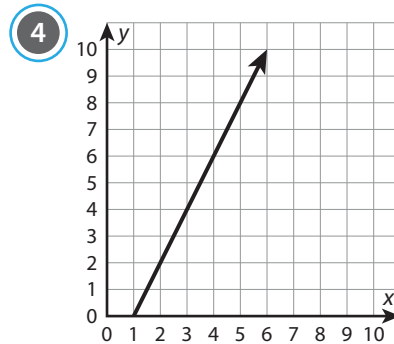
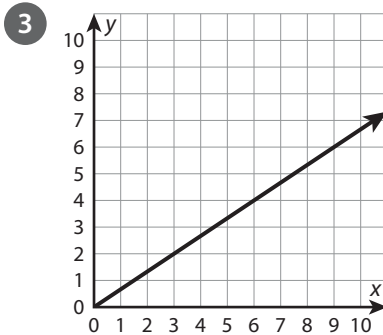
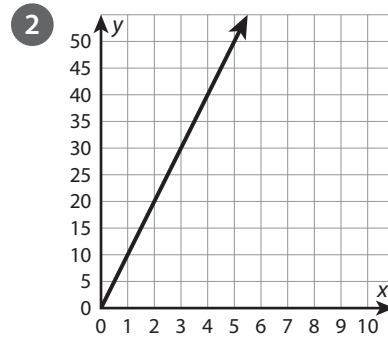


Recognizing Graphs of Proportional Relationships

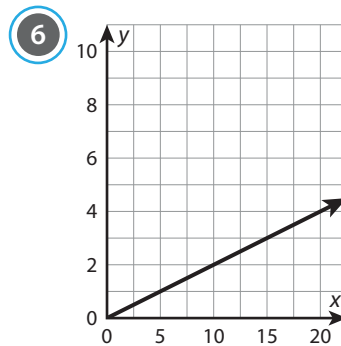
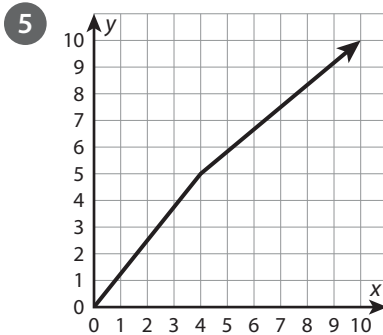
- Circle all the problems with graphs that do NOT represent a proportional relationship. For the problems that are circled, explain why the graphs do not represent a proportional relationship.



The graph does not go through the origin.



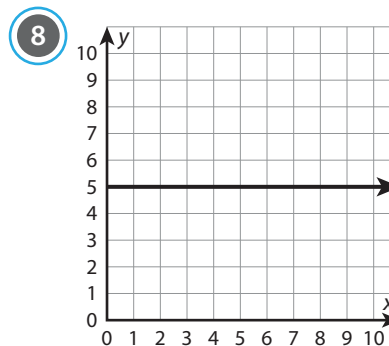
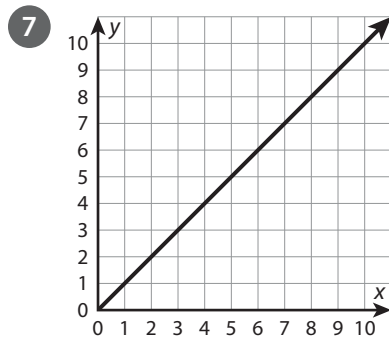
The graph does not go through the origin.



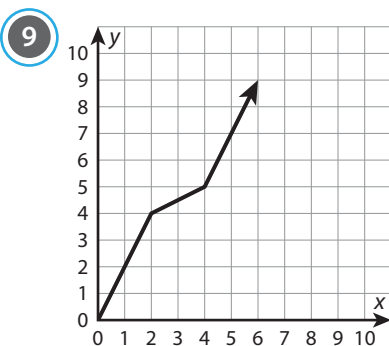
The x-values do not change as the y-values increase.



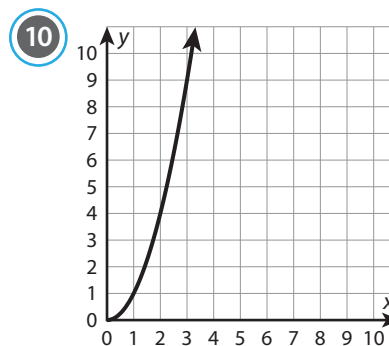
Recognizing Graphs of Proportional Relationships *continued*



The y-values do not change as the x-values increase.



The graph is not a straight line.



The graph is not a straight line.

- 11 Without analyzing specific points on a graph, explain how you know whether a graph shows a proportional relationship.

Possible answer: The graph of a proportional relationship is a straight line that passes through the origin, with all points on the line representing equivalent ratios.