### Lesson 11 Practice Problems

1. Write an equation for a line that passes through the origin and is perpendicular to .
2. Match each line with a perpendicular line.
   1. the line through and
   2. the line through and
3. The  rule  takes a line to a perpendicular line. Select **all** the rules that take a line to a perpendicular line.
   1. Write an equation of the line with -intercept and -intercept .
   2. Write an equation of a line parallel to the line .

* (From Unit 6, Lesson 10.)

1. Lines and are parallel. Select **all** true statements.

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  1. Triangle is similar to triangle .
  2. Triangle is congruent to triangle .
  3. The slope of line is equal to the slope of line .
* (From Unit 6, Lesson 10.)

1. Select the equation that states is the same distance from as it is from the line .

* (From Unit 6, Lesson 8.)

1. Select **all** equations that represent the graph shown.

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* (From Unit 6, Lesson 9.)

1. Write a rule that describes this transformation.

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* (From Unit 6, Lesson 3.)



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