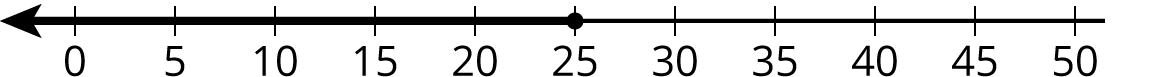
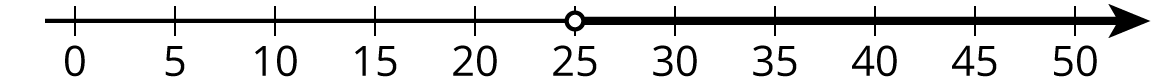
## Unit 4 Lesson 9 Cumulative Practice Problems

1. Andre says that and are equivalent because they both equal 16 when is 1. Do you agree with Andre? Explain your reasoning.
2. Select **all** expressions that can be subtracted from to result in the expression .
3. Select **all** the statements that are true for any value of .
4. For each situation, would you describe it with , , , or ?
   1. The library is having a party for any student who read at least 25 books over the summer. Priya read books and was invited to the party.
   2. Kiran read books over the summer but was not invited to the party.
   * 

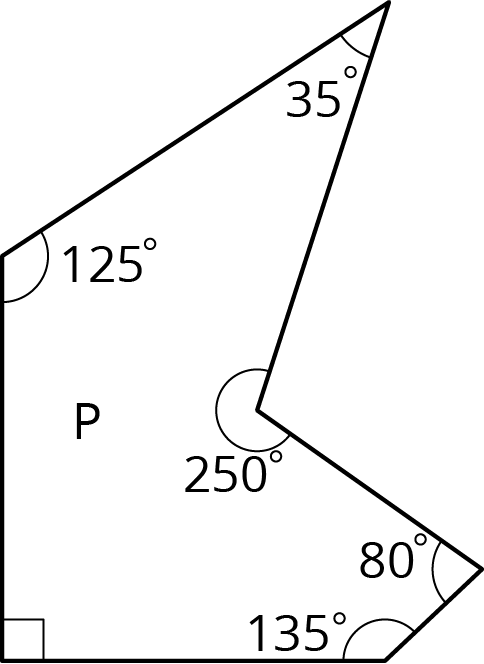
   * 

* (From Unit 4, Lesson 3.)

1. A line is represented by the equation . What are the coordinates of some points that lie on the line? Graph the line on graph paper.

* (From Unit 2, Lesson 17.)

1. Select **all** the statements that must be true for *any* scaled copy Q of Polygon P.

* 
  1. The side lengths are all whole numbers.
  2. The angle measures are all whole numbers.
  3. Q has exactly 1 right angle.
  4. If the scale factor between P and Q is , then each side length of P is multiplied by to get the corresponding side length of Q.
  5. If the scale factor is 2, each angle in P is multiplied by 2 to get the corresponding angle in Q.
  6. Q has 2 acute angles and 3 obtuse angles.
* (From Unit 2, Lesson 3.)



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