

**G.GPE.B.5: Parallel and Perpendicular Lines 1**

- 1 Which equation represents a line parallel to the  $x$ -axis?
  - 1)  $x = 5$
  - 2)  $y = 10$
  - 3)  $x = \frac{1}{3}y$
  - 4)  $y = 5x + 17$
  
- 2 Which equation represents a line parallel to the  $x$ -axis?
  - 1)  $y = -5$
  - 2)  $y = -5x$
  - 3)  $x = 3$
  - 4)  $x = 3y$
  
- 3 Which equation represents a line parallel to the  $y$ -axis?
  - 1)  $x = y$
  - 2)  $x = 4$
  - 3)  $y = 4$
  - 4)  $y = x + 4$
  
- 4 Which equation represents a line parallel to the  $y$ -axis?
  - 1)  $y = x$
  - 2)  $y = 3$
  - 3)  $x = -y$
  - 4)  $x = -4$
  
- 5 Which equation represents a line that is parallel to the  $y$ -axis?
  - 1)  $x = 5$
  - 2)  $x = 5y$
  - 3)  $y = 5$
  - 4)  $y = 5x$
  
- 6 Which equation represents the line that passes through the point  $(3,4)$  and is parallel to the  $x$ -axis?
  - 1)  $x = 4$
  - 2)  $x = -3$
  - 3)  $y = 4$
  - 4)  $y = -3$
  
- 7 Which equation represents a line that is parallel to the  $y$ -axis and passes through the point  $(4,3)$ ?
  - 1)  $x = 3$
  - 2)  $x = 4$
  - 3)  $y = 3$
  - 4)  $y = 4$
  
- 8 Which equation represents a vertical line?
  - 1)  $y = -x$
  - 2)  $y = 12$
  - 3)  $x = y$
  - 4)  $x = 12$
  
- 9 The graph of the equation  $y = -2$  is a line
  - 1) parallel to the  $x$ -axis
  - 2) parallel to the  $y$ -axis
  - 3) passing through the origin
  - 4) passing through the point  $(-2,0)$
  
- 10 Which statement describes the graph of  $x = 4$ ?
  - 1) It passes through the point  $(0,4)$ .
  - 2) It has a slope of 4.
  - 3) It is parallel to the  $y$ -axis.
  - 4) It is parallel to the  $x$ -axis.

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**Answer Section**

1	ANS: 2	REF: 080810ia
2	ANS: 1	REF: 080911ia
3	ANS: 2	REF: 081014ia
4	ANS: 4	REF: 061112ia
5	ANS: 1	REF: 061416ia
6	ANS: 3	REF: 011324ia
7	ANS: 2	REF: 061327ia
8	ANS: 4	REF: 081423ia
9	ANS: 1	REF: 061513ia
10	ANS: 3	REF: 060613a