

A.REI.D.10: Identifying Solutions 2

- 1 Which linear equation represents a line containing the point $(1,3)$?
 - 1) $x + 2y = 5$
 - 2) $x - 2y = 5$
 - 3) $2x + y = 5$
 - 4) $2x - y = 5$
- 2 Which point is on the line $4y - 2x = 0$?
 - 1) $(-2,-1)$
 - 2) $(-2,1)$
 - 3) $(-1,-2)$
 - 4) $(1,2)$
- 3 Which point lies on the line whose equation is $2x - 3y = 9$?
 - 1) $(-1,-3)$
 - 2) $(-1,3)$
 - 3) $(0,3)$
 - 4) $(0,-3)$
- 4 Which point lies on the graph represented by the equation $3y + 2x = 8$?
 - 1) $(-2,7)$
 - 2) $(0,4)$
 - 3) $(2,4)$
 - 4) $(7,-2)$
- 5 Which set of coordinates is a solution of the equation $2x - y = 11$?
 - 1) $(-6,1)$
 - 2) $(-1,9)$
 - 3) $(0,11)$
 - 4) $(2,-7)$
- 6 If the point $(5,k)$ lies on the line represented by the equation $2x + y = 9$, the value of k is
 - 1) 1
 - 2) 2
 - 3) -1
 - 4) -2
- 7 Point $(k,-3)$ lies on the line whose equation is $x - 2y = -2$. What is the value of k ?
 - 1) -8
 - 2) -6
 - 3) 6
 - 4) 8
- 8 The graph of the equation $2x + 6y = 4$ passes through point $(x,-2)$. What is the value of x ?
 - 1) -4
 - 2) 8
 - 3) 16
 - 4) 4

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Answer Section

1 ANS: 3
 $2(1)+3=5$

REF: 061007ia

2 ANS: 1
 $4y - 2x = 0$
 $4(-1) - 2(-2) = 0$
 $-4 + 4 = 0$

REF: 011021ia

3 ANS: 4
 $2x - 3y = 9$
 $2(0) - 3(-3) = 9$
 $0 + 9 = 9$

REF: 081016ia

4 ANS: 4
 $3y + 2x = 8$
 $3(-2) + 2(7) = 8$
 $-6 + 14 = 8$

REF: 011218ia

5 ANS: 4
 $2(2) - (-7) = 11$

REF: 081217ia

6 ANS: 3
 $2(5) + k = 9$
 $10 + k = 9$
 $k = -1$

REF: 061304ia

7 ANS: 1
 $x - 2y = -2$
 $x - 2(-3) = -2$
 $x = -8$

REF: 080628a

8 ANS: 2

$$2x + 6y = 4$$

$$2x + 6(-2) = 4$$

$$2x = 16$$

$$x = 8$$

REF: 060721a