Algebra I Practice A.REI.D.10: Writing Linear Equations 2

NAME:_____

1. Give the standard form of the equation of the line that has a slope of 3 and contains $(0, -7)$.

   [A] $3x - y = 7$ [B] $3x + y = 7$

   [C] $3x - y = -21$ [D] $-7x - y = 3$

2. Give the standard form of the equation of the line that has a slope of 7 and contains $(0, -3)$.

   [A] $7x + y = 3$ [B] $-3x - y = 7$

   [C] $7x - y = 3$ [D] $7x - y = -21$

3. Give the standard form of the equation of the line that has a slope of –4 and contains $(0, 7)$.

   [A] $4x + y = -28$ [B] $4x - y = 7$

   [C] $4x + y = 7$ [D] $-7x + y = 4$

4. Give the standard form of the equation of the line that has a slope of 5 and contains $(0, -4)$.

   [A] $5x - y = -20$ [B] $-4x - y = 5$

   [C] $5x + y = 4$ [D] $5x - y = 4$

5. Give the standard form of the equation of the line that has a slope of 6 and contains $(0, -2)$.

   [A] $-2x - y = 6$ [B] $6x - y = 2$

   [C] $6x - y = -12$ [D] $6x + y = 2$

6. Give the standard form of the equation of the line that has a slope of –9 and contains $(0, -6)$.

   [A] $9x + y = -6$ [B] $9x - y = 6$

   [C] $9x + y = 54$ [D] $6x + y = 9$

7. Give the standard form of the equation of the line that has a slope of 9 and contains $(0, -8)$.

   [A] $9x + y = 8$ [B] $9x - y = 8$

   [C] $-8x - y = 9$ [D] $9x - y = -72$

8. Write the standard form of the equation of the line with slope 0 passing through the point $(-3, -2)$.

9. Write the standard form of the equation for the line that passes through the points $(-4, -4)$ and $(6, 7)$.

10. Write the standard form of the equation for the line that passes through the points $(-4, -7)$ and $(5, 1)$.

16. Determine the standard form of the equation of the line that contains $(-1, -3)$ and $(-2, -4)$.

11. Write the standard form of the equation for the line that passes through the points $(-7, 1)$ and $(2, 3)$.

17. Determine the standard form of the equation of the line that contains $(-9, -8)$ and $(-4, -3)$.

12. Write the standard form of the equation for the line that passes through the points $(-2, 3)$ and $(7, 7)$.

18. Determine the standard form of the equation of the line that contains $(2, -1)$ and $(-2, -5)$.

13. Write the standard form of the equation for the line that passes through the points $(-3, -5)$ and $(8, -3)$.

19. Determine the standard form of the equation of the line that contains $(5, 9)$ and $(-6, -2)$.

14. Determine the standard form of the equation of the line that contains $(-7, -9)$ and $(5, 3)$.

20. Determine the standard form of the equation of the line that contains $(-6, -5)$ and $(-8, -7)$.

15. Determine the standard form of the equation of the line that contains $(2, 8)$ and $(-8, -2)$.

[1] A

[2] C

[3] C

[4] D

[5] B

[6] A

[7] B

[8] $y + 2 = 0$

[9] $11x - 10y = -4$

[10] $8x - 9y = 31$

[11] $2x - 9y = -23$

[12] $4x - 9y = -35$

[13] $2x - 11y = 49$

[14] $x - y = 2$

[15] $x - y = -6$

[16] $x - y = 2$

[17] $x - y = -1$

[18] $x - y = 3$

[19] $x - y = -4$

[20] $x - y = -1$