

NAME: \_\_\_\_\_

*P.I. A.A.34: Write the equation of a line, given its slope and the coordinates of a point on the line*

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

2. Write the standard form of the equation of the line with slope 0 passing through the point  $(5, -7)$ .

3. Write the standard form of the equation of the line with slope 0 passing through the point  $(1, -4)$ .

4. 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]  $-7x - y = 3$

5. 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]  $7x - y = -21$

6. 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]  $-7x + y = 4$

7. 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]  $5x - y = 4$

8. 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]  $6x + y = 2$

9. 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]  $6x + y = 9$

NAME: \_\_\_\_\_

10. 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]  $9x - y = -72$

[1]  $y + 2 = 0$  \_\_\_\_\_

[2]  $y + 7 = 0$  \_\_\_\_\_

[3]  $y + 4 = 0$  \_\_\_\_\_

[4] A \_\_\_\_\_

[5] C \_\_\_\_\_

[6] C \_\_\_\_\_

[7] D \_\_\_\_\_

[8] B \_\_\_\_\_

[9] A \_\_\_\_\_

[10] B \_\_\_\_\_