

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

*P.I. A.A.35: Write the equation of a line, given the coordinates of two points on the line*

1. Write the standard form of the equation for the line that passes through the points  $(-4, -7)$  and  $(5, 1)$ .
2. Determine the standard form of the equation of the line that contains  $(2, 8)$  and  $(-8, -2)$ .
3. Write the standard form of the equation for the line that passes through the points  $(-7, 1)$  and  $(2, 3)$ .
4. Determine the standard form of the equation of the line that contains  $(-6, -5)$  and  $(-8, -7)$ .
5. Write the standard form of the equation for the line that passes through the points  $(-2, 3)$  and  $(7, 7)$ .
6. Write the standard form of the equation for the line that passes through the points  $(-4, -4)$  and  $(6, 7)$ .
7. Determine the standard form of the equation of the line that contains  $(-7, -9)$  and  $(5, 3)$ .
8. Write the standard form of the equation for the line that passes through the points  $(-3, -5)$  and  $(8, -3)$ .
9. Give the equation of the line that contains  $(3, -7)$ , and  $(3, 2)$ .  
[A]  $y = \frac{5}{3}x$  [B]  $y = -7$   
[C]  $x = 3$  [D]  $y = \frac{5}{3}x - 12$
10. Give the equation of the line that contains  $(9, 6)$ , and  $(5, 6)$ .  
[A]  $y = -\frac{1}{18}x + 36$  [B]  $y = 6$   
[C]  $y = -\frac{1}{18}x + \frac{13}{2}$  [D]  $x = 9$

[1]  $8x - 9y = 31$  \_\_\_\_\_

[2]  $x - y = -6$  \_\_\_\_\_

[3]  $2x - 9y = -23$  \_\_\_\_\_

[4]  $x - y = -1$  \_\_\_\_\_

[5]  $4x - 9y = -35$  \_\_\_\_\_

[6]  $11x - 10y = -4$  \_\_\_\_\_

[7]  $x - y = 2$  \_\_\_\_\_

[8]  $2x - 11y = 49$  \_\_\_\_\_

[9] C \_\_\_\_\_

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