Integrated Algebra Practice: A.A.35
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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] $x = 9$

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[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