Name_____ Date: _____ Period: ____

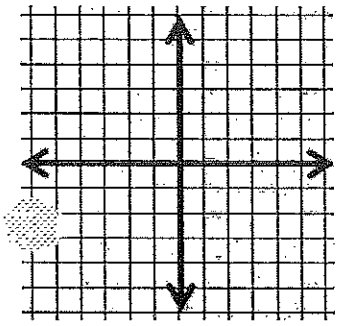
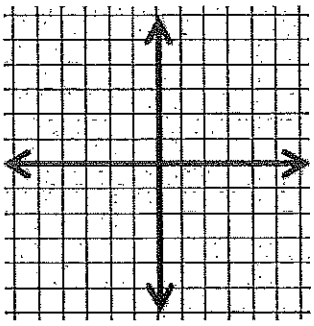
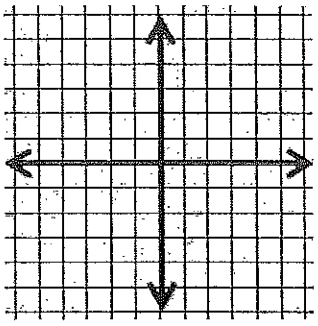
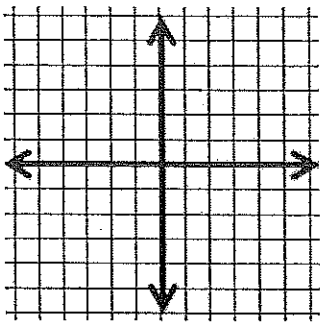
Point-Slope Form (Practice Worksheet) Graded CW

Write an equation in point-slope form of the line that passes through the given point and has the given slope.

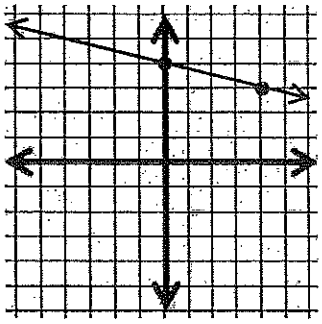
1. (2, 7); m = -4
2. (12, 5); m = -3
3. (4, -5); m = 6
4. (-6, -2); m = 3
5. (7, -6); m = $\frac{1}{2}$
6. (-8, 2); m = $-\frac{3}{4}$

Graph the equations below.

7. $y + 4 = -3(x + 2)$
8. $y + 3 = -2(x - 2)$
9. $y - 1 = 3(x + 6)$
10. $y + 4 = \frac{-5}{2}(x - 3)$

Write an equation in point-slope form of the line graphed below. (Use the right hand point)

11.


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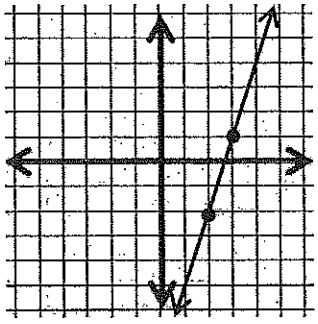

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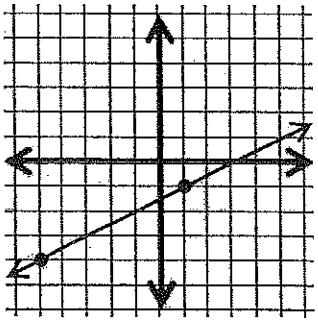
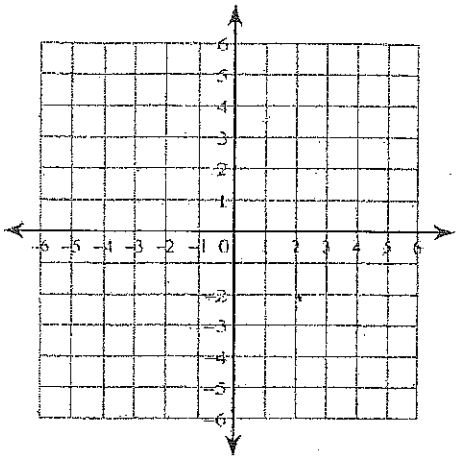


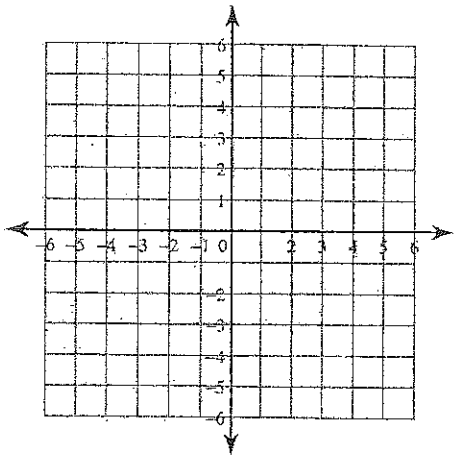
Write an equation in point-slope form of the line that passes through the two points given. Use the first point to write the equation.

14. (4,7) and (5, 1)
15. (9, -2) and (-3, 2)
16. (3, -8) and 7(-2)

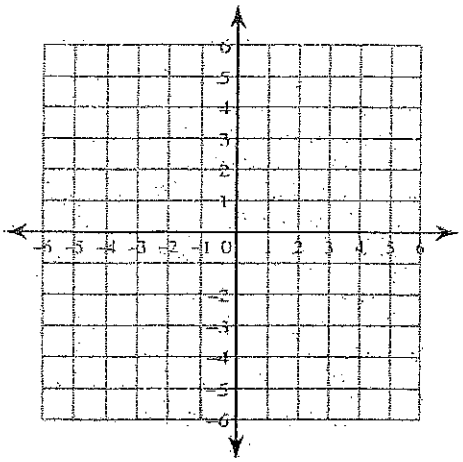
29) $y = \frac{5}{2}x + 5$



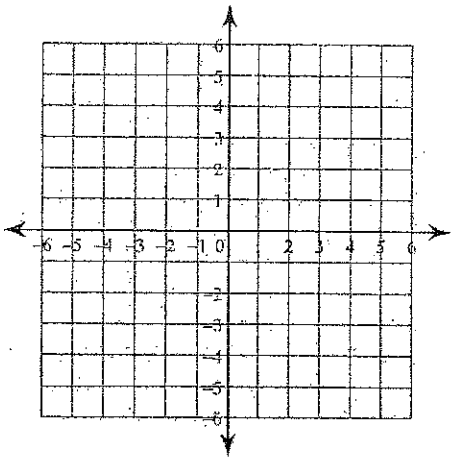
30) $y = \frac{3}{2}x - 1$



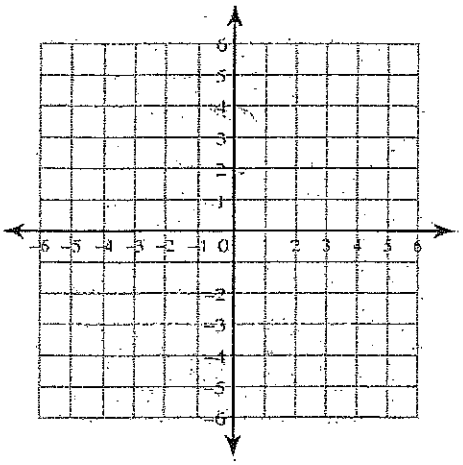
31) $y = -\frac{3}{2}x - 2$



32) $y = \frac{4}{5}x - 1$



33) $y = -\frac{3}{5}x + 1$



34) $y = -\frac{1}{4}x + 1$