

Point-Slope Form (Practice Worksheet)

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 $(-8, 2); m = -\frac{3}{4}$

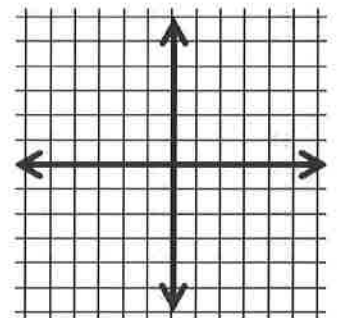
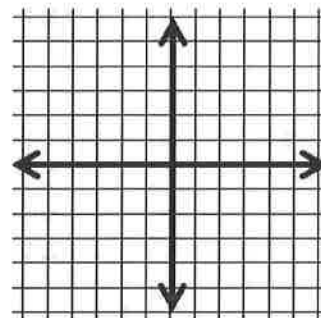
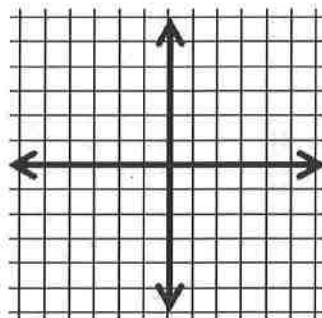
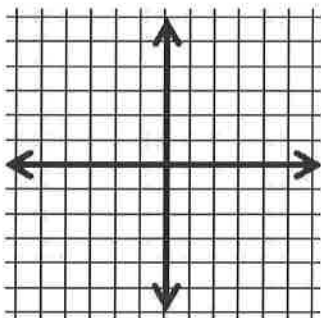
Graph the equations below.

⑦ $y + 4 = -3(x + 2)$

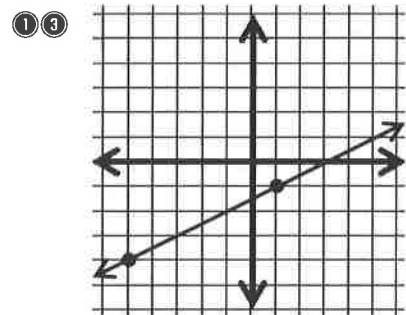
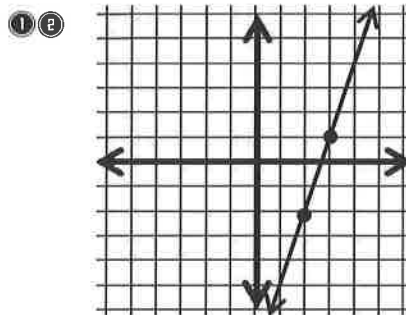
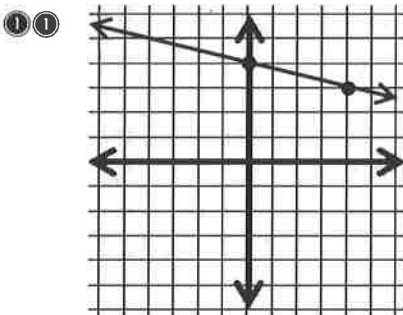
⑧ $y + 3 = -2(x - 2)$

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)



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 $7(-2)$