

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.

Ⓐ (2, 7); $m = -4$

Ⓑ (12, 5); $m = -3$

Ⓒ (4, -5); $m = 6$

Ⓓ (-6, -2); $m = 3$

Ⓔ (7, -6); $m = \frac{1}{2}$

Ⓚ (-8, 2); $m = -\frac{3}{4}$

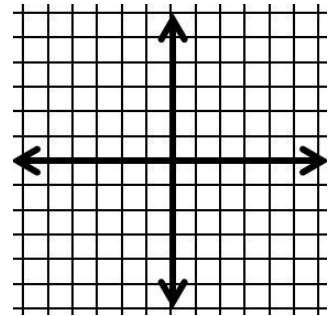
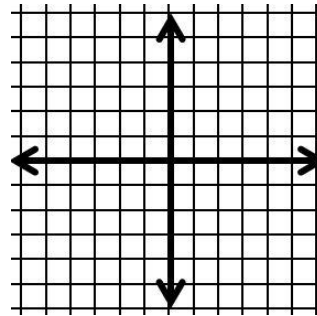
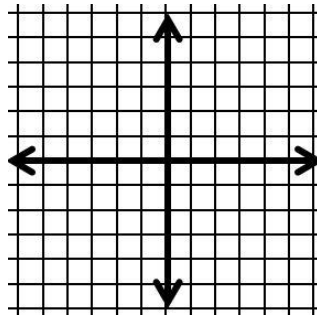
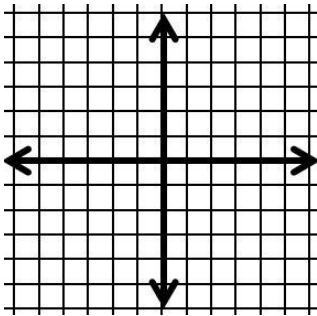
Graph the equations below.

Ⓛ $y + 4 = -3(x + 2)$

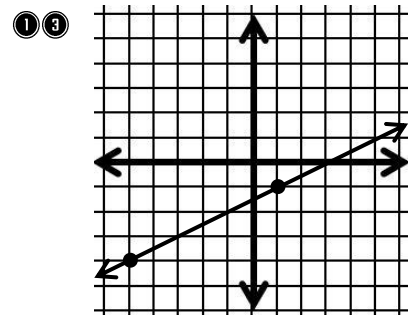
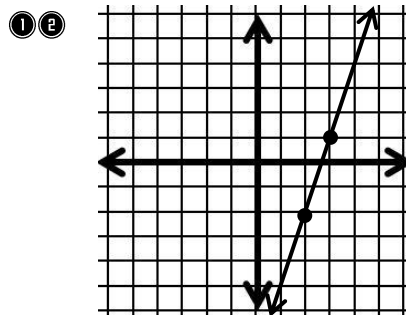
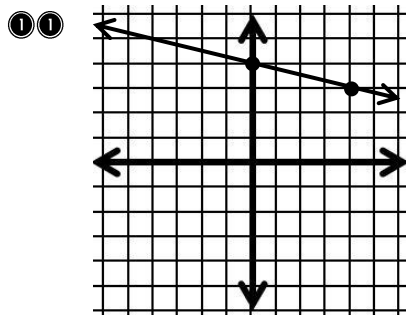
Ⓜ $y + 3 = -2(x - 2)$

Ⓨ $y - 1 = 3(x + 6)$

Ⓩ $y + 4 = \frac{-5}{2}(x - 3)$



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.

ⓁⓄ (4, 7) and (5, 1)

ⓁⓅ (9, -2) and (-3, 2)

ⓁⓆ (3, -8) and 7(-2)