

# Point Slope Warm-up

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

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  $7(-2)$