2020 - Review #4 Name_____

SRHS Math 1

Date_____ Period____

Write the point-slope form of the equation of the line through the given point with the given slope.

1) through: $(-4, 3)$, slope $= \frac{1}{2}$

$y - 3 = \frac{1}{2}(x + 4)$

2) through: $(2, -1)$, slope $= \frac{3}{2}$

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

Write the point-slope form of the equation of the line described.

3) through: $(-2, -4)$, parallel to $y = 3x - 1$

$y + 4 = 3(x + 2)$

4) through: $(2, -3)$, parallel to $y = -\frac{1}{7}x$

$y + 3 = -\frac{1}{7}(x - 2)$

Write the point-slope form of the equation of the line through the given points.

5) through: $(3, 4)$ and $(2, 1)$

$y - 4 = 3(x - 3)$

or

$y - 1 = 3(x - 2)$

6) through: $(-3, -3)$ and $(0, 4)$

$y + 3 = \frac{7}{3}(x + 3)$

or

$y - 4 = \frac{7}{3}(x - 0)$

7) through: $(3, 1)$ and $(-4, 3)$

$y - 1 = -\frac{2}{7}(x - 3)$

or

$y - 3 = -\frac{2}{7}(x + 4)$

8) through: $(-2, -1)$ and $(-1, -4)$

$y + 1 = -3(x + 2)$

or

$y + 4 = -3(x + 1)$

Write the slope-intercept form of the equation of the line through the given points.

9) through: $(-1, -2)$ and $(0, -5)$

$y = -3x - 5$

10) through: $(2, 2)$ and $(1, -1)$

$y = 3x - 4$