

Matching Equation of a Line

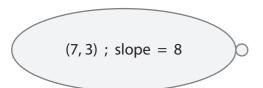
Name _____

Score ____

PS:20

Match the equation of a straight lines with its slope and point passes throught it.

1)



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

2)

$$(-1, -1)$$
; slope = -4

$$y - 3 = 8(x - 7)$$

3)

$$(2,5)$$
; slope = $\frac{1}{4}$

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

4)

$$(-3, 1)$$
; slope = $-\frac{1}{3}$

$$y - 5 = \frac{1}{4}(x - 2)$$

5)

$$y - 9 = \frac{5}{6}(x + 5)$$

6)

$$(-5, 9)$$
; slope = $\frac{5}{6}$

$$y + 6 = 5(x - 4)$$



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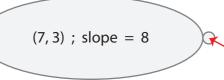
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Answer key

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y + 1 = -4(x + 1)

4)

$$(-3, 1)$$
; slope = $-\frac{1}{3}$

$$y - 5 = \frac{1}{4}(x - 2)$$

5)

$$(4, -6)$$
; slope = 5

 $y - 9 = \frac{5}{6}(x + 5)$

6)

$$(-5, 9)$$
; slope = $\frac{5}{6}$

y + 6 = 5(x - 4)