

Warm-up - No Calc

$$\textcircled{1} \quad 8 - (-2)$$

$$8 + 2$$

$$\textcircled{10}$$

$$\textcircled{4} \quad (-7)(-3)$$

$$\textcircled{21}$$

$$\textcircled{2} \quad -9(2)$$

$$\textcircled{-18}$$

$$\textcircled{5} \quad -10 - 10$$

$$16 + 10$$

$$\textcircled{-20}$$

$$-8 - 7$$

$$-15$$

$$\textcircled{3} \quad -3 + 4$$

$$\textcircled{1}$$

$$\textcircled{6} \quad -20 \div 2$$

$$\textcircled{-10}$$

Find line thru $(5, -3)$:

Ⓐ \parallel to $y = -x + 3$
 $y = mx + b$

$$m = -1$$

$$\parallel m = -1$$

(Same way)

Use $(5, -3)$ & $m = -1$

$$y + 3 = -1(x - 5)$$

* \parallel means parallel

Ⓑ \perp to $y = \frac{1}{2}x - 7$

$$m = \frac{1}{2}$$

$$\perp m = -\frac{2}{1}$$

flip & make opposite sign

Use $(5, -3)$ & $m = -2$

$$y + 3 = -2(x - 5)$$

* \perp means perpendicular