PARALLEL LINES	HAVE THE:
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SLOPE INTERCEPT FORM: y = mx + b

 $\frac{\text{ORM: } y = mx + b}{\text{5love}} \quad \text{and a} \quad \frac{\text{Y-in-t}}{\text{1}}$ You must have a

POINT SLOPE FORM: $y-y_1 = m(x-x_1)$

You must have a

EXAMPLES:

State the slope of the parallel line in each of the following equations.

A)
$$y = 2x - 8$$
B) $2x - 8y = 16$
C) Line that goes through pts:
$$(2,1) & (9,7)$$

$$y = 2x - 8$$

$$y = -2x + 16$$

$$x_2 - x_1 = -2x + 16$$

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$$x_1 - x_1 = -2x + 16$$

$$x_2 - x_1 = -2x + 16$$

$$x_3 - x_1 = -2x + 16$$

$$x_4 - x_1 = -2x + 16$$



