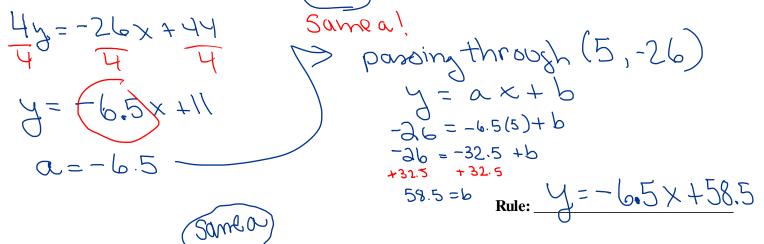
Name: <u>ANSURPS</u> Date:

line 1

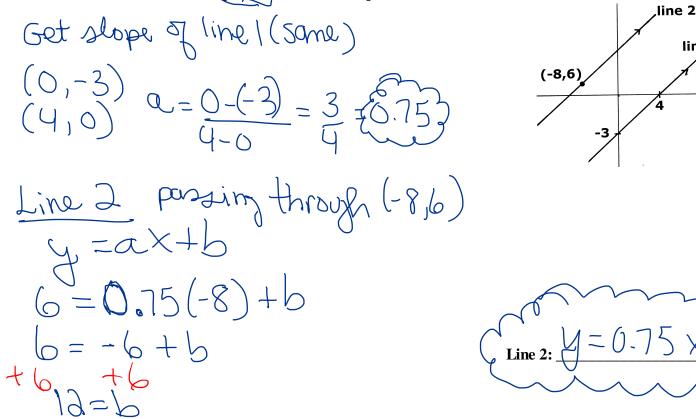
1. What is the rule for the linear equation that passes through points A and B?

$$\begin{array}{c} A_{1} & V_{1} \\ A_{1} & (-8, 222) \\ B_{1} & (-4, -966) \\ \times_{2} & Y_{2} \\ & & & & \\ & & & \\ & & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ & & & &$$

2. What is the rule for the linear equation *parallel* to 4y = -26x + 44, but passing through point C (5, -26)



3. Line 1 and Line 2 are parallel What is the equation that defines line 2?

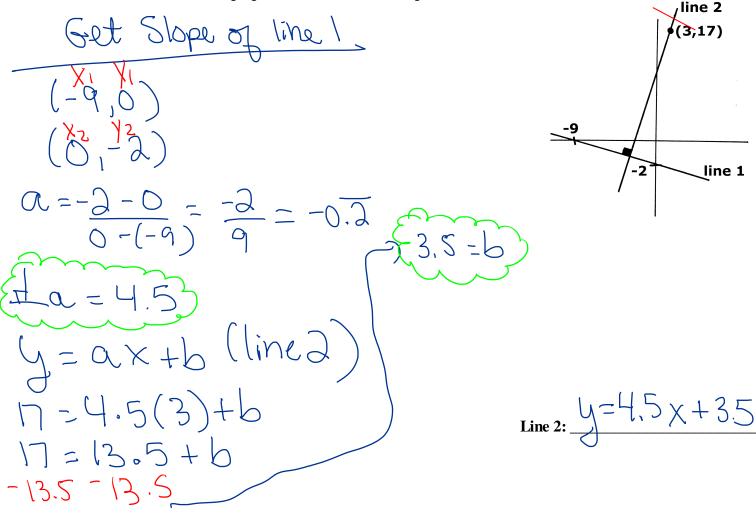


4. What is the rule for the linear equation *perpendicular* to 2y = 1.5x - 20, passing through (42, -25)?

MRS

2 $\overline{\lambda}$ $y = 0.75 \times -10$ $\frac{1}{100} = \frac{-1}{100} = -1.\overline{3}$ Passing through (42,-25) y = ax + b-25 = -1.3(42)+by = -1.3x + 31-35 = -56 + 5+ 56 + 56 NRS

5. Line 1 and line 2 are perpendicular. What is the equation that defines line 2?



6. What are the x- and y- intercepts for the following equation: 2y - 29x + 87 = 0?

ay - ay + 87 = 6+ ay - 87 + ay - 87ay = ay - 87ay = ay - 87 $ay = 14.5 \times - 43.5$

x int:
$$(x, 0)$$
, y int: $(0, y)$
X int (make y=0)
 $0 = 14.5 \times -43.5$
 $43.5 = 14.5 \times -43.5$
 $43.5 = 14.5 \times -43.5$
 $43.5 = 14.5 \times -43.5$
 $3 = \times -5 \times -43.5$
X intercept: $(-5, -43.5)$
(b) Y intercept: $(-5, -43.5)$

T. solate, X!

7. What are the x- and y- intercepts for the following equation: 240 + 30x - 4y = 0?

$$a40+30x - 4y = 0$$

- $a40-30x - 4y = 0$
- $4y = -30x - 340$
- $4y = -30x - 340$
- $4y = -30x - 340$
- $4y = -4$
- $4y = -4$
- $4y = -4$
- $4y = -30x - 340$
- $4y = -4$
- $4y = -30x - 340$
- $4y = -4$
- $4y = -30x - 340$
- $4y = -4$
- $4y = -30x - 340$
- $4y = -4$

Get x int by
making
$$y=01$$

 $0=7.5 \times +60$
 $-60=7.5 \times -60$
 $7.5 \quad 7.5 \times -7.5 \times -7.5$