Bellwork Alg 2A Monday, November 14, 2016

Without graphing state if each system of linear equations has One, None, or Many Solutions.

$$y = \frac{3}{2}x - 4$$

$$12x - 8y = 24$$

$$y = -2x + 11$$

$$6x - 2y = 22$$

3. Together you and I have \$45. You have eighteen less than twice as much as I do. How much money does each of us have?

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$$12x - 8y = 24$$

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$$4 - 24 - 12x = -3 + \frac{12}{8}x$$

$$y = -2x + 11$$
 M = -2

$$6x - 2y = 22$$

Lines
$$y = -2x + 11$$
 $M = -2$

parallel $6x - 2y = 22$
 $y = \frac{22 - lox}{-2} = -11 + 3 \times M = 3$

ONE SOLUTION

3. Together you and I have \$45. You have eighteen less than twice as much as I do. How much money does each of us have?

$$3\bar{1} = \frac{63}{3}$$

$$y = 2(21) - 11$$

 $y = 24$