

Quiz 3

3/12/15

7 1. Solve : $\frac{3}{2} \cdot (\frac{3}{2}x - \frac{1}{3}) = \frac{2}{9} - \frac{5}{6}x$

side

$$\frac{3}{4}x - \frac{1}{2} = \frac{2}{9} - \frac{5}{6}x$$

$$\frac{3}{2} \cdot \frac{1}{2} = \frac{3}{4}$$

$$36 \cdot (\frac{3}{4}x - \frac{1}{2}) = (\frac{2}{9} - \frac{5}{6}x) \cdot 36$$

$$\frac{3}{2} \cdot \frac{1}{3} = \frac{1}{2}$$

$$27x - 18 = 2 - 30x$$

$$\frac{36}{1} \cdot \frac{3}{4} = 27$$

$$57x - 18 = 2$$

$$\frac{36}{1} \cdot \frac{1}{2} = 18$$

$$57x = 26$$

$$\frac{2}{9} \cdot \frac{26}{1} = 8$$

$$x = \frac{26}{57}$$

$$\frac{5}{6} \cdot \frac{26}{1} = 30$$

$$\left\{ \frac{26}{57} \right\} //$$

4 2. Solve for y : $2x - 5y = 10$.

$$-5y = -2x + 10$$

$$y = \frac{-2x + 10}{-5}$$

$$y = \frac{2}{5}x - 2 //$$

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Ques 3

4 3.

32% of what number is 51.2? solve.

give

$$0.32 \times x = 51.2 \Rightarrow x = \frac{51.2}{0.32}$$

side

$$x = \frac{51.2}{0.32} = \frac{5120}{32}$$

160
5120
32

$$x = \frac{5120}{32} = 160$$

-32
192

$$x = 160$$

-192
0

$$160 = x$$

-0
0

$$\frac{51.2}{0.32} = x$$

$$\frac{5120}{32} = x$$

2. solve for x: $5x - 2x = 10$

$$-2x = -5x + 10$$

$$x = \frac{-5x + 10}{-2}$$

$$x = \frac{5x - 10}{2}$$