

Warm Up:

A cab charges a \$3 flat fee and \$1.50 for every mile, m , driven. If Sarah's total came to \$19.50, how many miles did she go?

$$\begin{array}{r} 3 + 1.5m = 19.5 \\ -3 \quad -3 \\ \hline 1.5m = 16.5 \div 1.5 \quad m = 11 \end{array}$$

Write a word problem to represent this equation: $100 - 2x = 24$

Review homework

$$42. -10\frac{1}{2}$$

$$44. -6\frac{1}{3}$$

41. 5

43. -3.8

54. 21

55. 10.5

58. 175 lb

60. 13 h

~~$$\frac{d+17}{2} = \frac{16}{3}$$~~

$$3d + 51 = 32$$

$$\begin{array}{r} -51 \\ 3d = -19 \end{array}$$

$$\frac{3d}{3} = \frac{-19}{3} = -6\frac{1}{3}$$

$$2(5x+3)=56$$

$$10x+6=56$$

-6 -6

$$\frac{10x}{10} = \frac{50}{10}$$

$$x=5$$

~~$$\frac{2(5x+3)=56}{2 \quad 2}$$~~

$$5x+3=28$$

-3 -3

$$\frac{5x}{5} = \frac{25}{5}$$

$$x=5$$

$$\underline{-9x + 11x + 2 = 24}$$

$$2x + 2 = 24$$
$$-2 \quad -2$$

$$\frac{2x}{2} = \frac{22}{2}$$

$$x = 11$$

$$9x - \frac{1}{2}(2x+6) + 4 = -1$$

$$9x - x - 3 + 4 = -1$$

$$8x + 1 = -1$$

$$\frac{8x}{8} = \frac{-2}{8}$$

$$x = -\frac{1}{4}$$

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Complete the problems assigned.

Whatever you don't finish is for homework.

1. $3(x-6)=27$

2. $17 = \frac{2}{3}(3x+6) - x$

3. $3x-7+x=5$

4. $9x-5(3x-12)=30$

5. $10 = -7(8+x) - 4x$

6. $\frac{x+5}{4} = \frac{3}{2}$

