

Section 2.7  
Decimal Operations

Goal: to solve equations  
involving operations

Simplify:

$$-14.2 + (-17.6) = -31.8$$

$$4.75 + (+12.5) = 17.25$$

Simplify:

$$7.2(-1.5) = -10.8$$

$$-43.29 \div (-4.5)$$

$$9.62$$

Solve:

$$-9.34 = t - 2.75$$

$$+2.75 \quad +2.75$$

$$-6.59 = t$$

$$x + 5.6 = 10.9$$

$$-5.6 \quad -5.6$$

$$x = 5.3$$

$$12.6 + m = 9.2$$

$$-12.6 \quad -12.6$$

$$m = -3.4$$

$$r - 2.3 = -1.7$$

Solve:

$$\begin{aligned} -12.2t &= 9.76 \\ \frac{-12.2t}{-12.2} &= \frac{9.76}{-12.2} \\ t &= -0.8 \\ -4c &= -10.5 - 4 \\ \frac{-4c}{-4} &= \frac{-10.5 - 4}{-4} \\ c &= 42 \end{aligned}$$

The trip odometer on a car showed 229.5 miles before a salesperson left for a sales meeting. When she reached her destination, the trip odometer read 273.2 miles. How far did she have to drive to attend the meeting?  $273.2 - 229.5 = 43.7$

Hwk: pg 105 - 107

#12 - 32 (4th), 37 - 44

all

