

## 5.3 Finding Values that Satisfy a Linear Relation

pg.295 #7

$$7a) \quad 30a + 10r = 150$$
$$r = 7.5 \text{ kg.}$$

$$30a + 10(7.5) = 150$$

$$b) \quad 30a + 75 = 150$$

$$\frac{30a}{30} = \frac{75}{30}$$

$$a = 2.5 \text{ kg}$$

## 5.7 Solving Polynomial Equations

Solve.  
pg.314 #5e)

$$-3(x+2) = 27x + 24$$

$$-3x - 6 = 27x + 24$$

$$-3x = 27x + 30$$

$$\underline{-3x - 27x = 30}$$

$$\frac{-30x}{-30} = \frac{30}{-30}$$

$$x = -1$$