6.

$x + x + x + x + x + 3x + 3x = 220$

$$11x = 220$$

$$\frac{11x}{11} = \frac{220}{11}$$

$$x = 20$$

$\boxed{d = rt}$

7.

$d_A - d_B = 300$

$80t - 30t = 300$

$50t = 300$

$$\frac{50t}{50} = \frac{300}{50}$$

$$\boxed{t = 6}$$