1. Solve for x.

a) $y = x + 9$ b) $y = 6x + 9$ c) $4ax = 10$

d) $\frac{n}{x} = 10$ e) $C = \pi x$ f) $F = \frac{9}{5}x + 32$

2. It takes Hollie 40 minutes to decorate each cake. Each day she takes 20 minutes to set up and an hour to clean up. Write and solve an equation for each of the following questions.

a) How long will it take her to decorate 9 cakes?   b) How many cakes can she decorate if she works 4 hours today?