Homework:

15. Reasoning Justify each step in solving $4x - 3 = 9$.

$$4x - 3 + 3 = 9 + 3 \quad \underline{?}$$
$$4x = 12 \quad \underline{?}$$
$$\frac{4x}{4} = \frac{12}{4} \quad \underline{?}$$
$$x = 3 \quad \underline{?}$$

16. Why does dividing both sides of the original equation result in an equivalent equation?

17. You have already read 117 pages of a book. You are one third of the way through the book. Write and solve an equation to find the number of pages in the book.

18. Are the equations m=18 and $\frac{2}{3}m = 12$ equivalent? How do you know.