Write each sentence as an equation

Sentence	Equation
1. The price of ticket is **t** dollars. If tickets were six dollars cheaper, you could buy four for ninety-two dollars.	
2. If you ate **g** grams of chocolate seven days a week for twenty-four weeks, you'd eat one-thousand nine-hundred grams of chocolate.	
3. Paul is **p** years old. Jackie is twice as old as Paul. The sum of their ages is seventy-eight.	
4. Andrew is one-third the age of Bob, and Charlene is twice the age of Andrew. The sum of their ages is ninety. (Only one variable allowed!)	
5. The sum of three-quarters of a number and six is the same as fifteen less than twice the same number.	

6. Sam drove his car at a speed of **s** for forty-five minutes. If he drove at ten kilometres per hour faster, he would have driven the same distance in thirty minutes.	
7. Cathy ran a distance of **d** metres at a speed of five metres per second over the course of eighteen seconds.	
8. Victoria walked some distance at a speed of two metres per second over the course of fifteen minutes.	
9. Brad ran six-hundred metres at a speed of **s** metres per second for ninety-five seconds.	
10. James jogged three kilometres at a speed of **j** metres per second for twenty minutes.	

Solve the following equations for the *variable* **x**

$3x - 12 = 18$	$2x + 3 = 5x - 3$	$\frac{70}{x} + 3 = 13$

Solve the following equations for the *variable* **x**

$4x + 12 = 20$	$2x = 4x + 10$	$\frac{40}{x} - 4 = 4$

Solve the following equations for the *variable* **x**

| $-3x = 18$ | $3 - 2x = 4x + 1$ | $\frac{x}{4} + 3 = 13$ |

Solve the following equations for the *variable* **x**

| $2x - 5 = -2x - 1$ | $0.25x + 10 = x + 1$ | $\frac{1}{4}x - 6 = 10$ |