

Solve these equations:

1.  $\frac{2}{3}x = 6$

2.  $12 = \frac{3}{2}x$

3.  $\frac{2}{3}x = \frac{5}{9}$

4.  $\frac{3}{4}x - 5 = 4 + \frac{1}{2}x$

5.  $\frac{2}{3}x + 3 = -2 + \frac{3}{2}x$

6.  $\frac{2}{5}x + \frac{1}{10} = \frac{3}{2}x$

7. \$30 less than  $\frac{1}{3}$  of Joan's salary is \$100. Find her salary.

8. Six less than half a number is 50. Find the number.

9.  $.3x = .90$

10.  $.5x = 1.2x + 4.9$

11.  $5x - 10 = 3x + 6$

12.  $x + 8 = 5x - 12$

13.  $-3(-x - 1) = 9x - 18$

14.  $-3(22x + 3) = -6x - 69$

15. Twenty-two more than a number is the same as 4 times the sum of a number and 7. Find the number.