Math 8 Algebra: Solving Equations

Name: Answer the following questions in the space provided. You must show all your work to receive full marks. You will not receive full marks for writing the answers only.

1)
$$4x + 12 = 36$$

 $4x = 24$

$$\begin{array}{c} (x = 6) \\ x + 13 = 15 \\ 7 \\ = 2 \end{array}$$

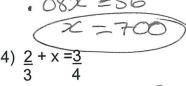
$$\frac{2}{7} = 2$$
 $\frac{2}{7} = 14$
 $\frac{2}{2} = -7$

7)
$$-x = 7$$
 $x = -7$

9)
$$12x - 27 = 41.4$$

 $12x = 68.4$
 $2x = 5.7$

2)
$$0.08x - 16 = 40$$



$$2 - \frac{3}{4} - \frac{2}{3}$$

$$10y - 6.5 = 33.5$$

$$y = 4$$

 $3x - 4 = 11$

$$\begin{array}{c|c}
x = 5 \\
10) & 1x - 1 = 12 \\
4 & 2
\end{array}$$