

$$1.) \begin{array}{r} x + 4 = 12 \\ -4 \quad -4 \\ \hline x = 8 \end{array}$$

$$2.) \begin{array}{r} x - 9 = 23 \\ +9 \quad +9 \\ \hline x = 32 \end{array}$$

$$3.) \begin{array}{r} 7 \left(\frac{x}{7} \right) = (3) 7 \\ \hline x = 21 \end{array}$$

$$4.) \begin{array}{r} 9x = 45 \\ \frac{9x}{9} = \frac{45}{9} \\ \hline x = 5 \end{array}$$

$$1.) \begin{array}{r} 3x - 4 = 8 \\ +4 \quad +4 \\ \hline 3x = 12 \end{array}$$

$$2.) \begin{array}{r} \textcircled{x} + 3 = 10 \\ -3 \quad -3 \\ \hline 4 \left(\frac{x}{4} \right) = (7) 4 \\ \hline x = 28 \end{array}$$

$$3.) \begin{array}{r} 4a + 1 = 13 \\ -1 \quad -1 \\ \hline 4a = 12 \\ \frac{4a}{4} = \frac{12}{4} \\ \hline a = 3 \end{array}$$

$$4.) \begin{array}{r} \frac{x}{2} - 3 = 5 \\ +3 \quad +3 \\ \hline 2 \left(\frac{x}{2} \right) = (8) 2 \\ \hline x = 16 \end{array}$$

5.) $\star + \square \textcircled{2} = \triangle$ Solve for $\textcircled{2}$

$$\boxed{3a} + \boxed{5} - \boxed{x} + \boxed{7x} - \boxed{2a}$$

"simplify"
"combine like terms"

$$3a - 2a = a$$

$$-x + 7x = 6x$$

$$"-1" + "7" = 6$$

$$\boxed{a + 6x + 5}$$

$$\boxed{2x} - \boxed{5} + \boxed{3a} - \boxed{5x} + \boxed{10a}$$

$$2x - 5x = -3x$$

$$3a + 10a = 13a$$

$$\boxed{13a - 3x - 5}$$

$$\boxed{-3x + 13a - 5}$$

$$\boxed{7b} - \boxed{b} - \boxed{x} + \boxed{5} - \boxed{2x} - \boxed{7b}$$

"simplify"

$$\cancel{7b} - b - \cancel{7b} = -b$$

$$-x - 2x = -3x$$

$$-1 - 2 = -3$$

$$-1 + (-2)$$

$$\boxed{-b - 3x + 5}$$

$$-4x + 3(2x - 5) = 31$$

$$-4x + 6x - 15 = 31$$

$$2x - 15 = 31$$

$$+15 \quad +15$$

$$\frac{2x}{2} = \frac{46}{2}$$

$$x = 23$$

- 1.) Distribute "slap"
- 2.) Simplify "be racist"
- 3.) Dub step

$$1.) \quad 13 + 2(5c - 2) = 29$$

$$13 + 10c - 4 = 29$$

$$10c + 9 = 29$$

$$-9 \quad -9$$

$$\frac{10c}{10} = \frac{20}{10}$$

$$c = 2$$

$$2.) \quad 5(t - 3) - 2t = -30$$

$$5t - 15 - 2t = -30$$

$$3t - 15 = -30$$

$$+15 \quad +15$$

$$\frac{3t}{3} = \frac{-15}{3}$$

$$t = -5$$

$$\frac{2}{5}(5k + 35) - 8 = 12$$

$$2k + 14 - 8 = 12$$

$$\frac{2}{5} * \frac{5k}{1} = \frac{10k}{5} = 2k$$

$$\frac{2}{5} * \frac{35}{1} = \frac{70}{5} = 14$$

$$2k + 6 = 12$$

$$-6 \quad -6$$

$$\frac{2}{5} * \frac{5k}{1} = 2k$$

$$\frac{2}{5} * \frac{35}{1}$$

$$k = 3$$

$$\frac{2k}{2} = \frac{6}{2}$$

