

T-A1 Algebra 1 Week 8

2-1 Solving One-Step Equations

$$\begin{array}{r} x + 8 = 12 \\ -8 \quad -8 \end{array}$$

$$x = 4$$

$$\begin{array}{r} 18 = a + 5 \\ -5 \quad -5 \end{array}$$

$$13 = a$$

$$\begin{array}{r} b - 7 = -3 \\ +7 \quad +7 \end{array}$$

$$b = 4$$

$$\begin{array}{r} 12 = c - 9 \\ +9 \quad +9 \end{array}$$

$$c = 21$$

$$\begin{array}{r} 4d = \frac{36}{4} \\ \downarrow^* \end{array}$$

$$d = 9$$

$$\frac{68}{17} = \frac{17f}{17}$$

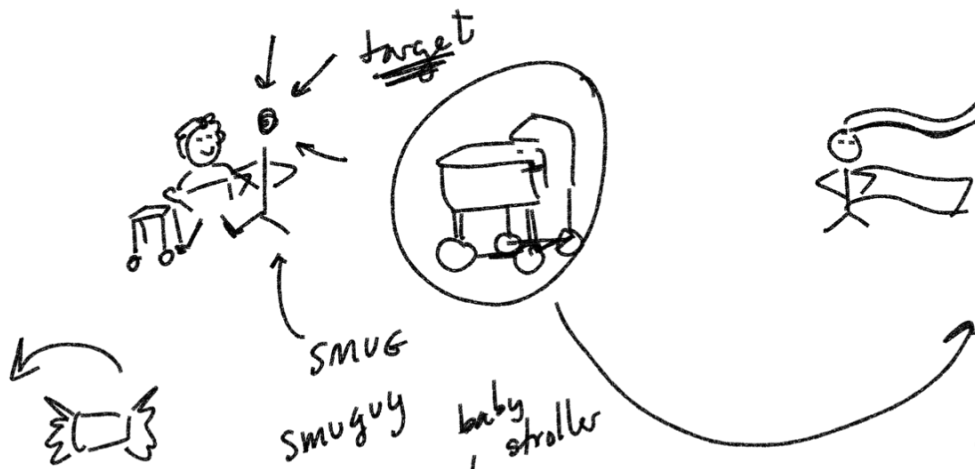
$$f = 4$$

$$7\left(\frac{g}{7}\right) = (-4)7$$

$$g = -28$$

$$-3(12) = \left(\frac{h}{-3}\right)(-3)$$

$$-36 = h$$



$$2x + 3 = 17$$

- 3 - 3

$$\frac{2x}{2} = \frac{14}{2}$$

$$x = 7$$

2-2 Solving
Two Step
Equations

$$3x \begin{array}{|l} -4 \\ +4 \end{array} = 20 \quad \text{Inverse Property}$$

$$\frac{3x}{3} = \frac{24}{3}$$

$$x = 8$$

$$\frac{a}{3} + 8 = 2$$

$$3 \left(\frac{a}{3} \right) = (-6) 3$$

$$a = -18$$

Use a calculator!



$$\frac{c}{8} - 12 = -5$$

$$8 \left(\frac{c}{8} \right) = (7) 8$$

$$c = 56$$

$$\begin{array}{r} x - 2 = 9 \\ + 2 \quad + 2 \end{array} \quad \boxed{x = 11}$$

$$\begin{array}{r} x + 4 = 7 \\ - 4 \quad - 4 \end{array} \quad \boxed{x = 3}$$

$$\frac{3x}{3} = \frac{27}{3} \quad \boxed{x = 9}$$

$$\frac{9\left(\frac{x}{8}\right)}{9} = \frac{(-5)^8}{9} \quad \boxed{x = -40}$$

$$\begin{array}{r} 4x + 3 = 27 \\ - 3 \quad - 3 \end{array} \quad \boxed{x = 6}$$
$$\frac{4x}{4} = \frac{24}{4}$$

$$\begin{array}{r} \frac{x}{6} + 7 = 5 \\ - 7 \quad - 7 \end{array} \quad \left(\frac{x}{6}\right) = (-2)^6$$
$$\boxed{x = -12}$$

$$\begin{array}{r} \frac{x}{2} - 8 = 11 \\ + 8 \quad + 8 \end{array}$$

$$-2x \begin{array}{r} - 8 \\ + 8 \end{array} = 12$$

$$2\left(\frac{x}{2}\right) = (19)2$$
$$\boxed{x = 38}$$

$$\frac{-2x}{-2} = \frac{20}{-2}$$

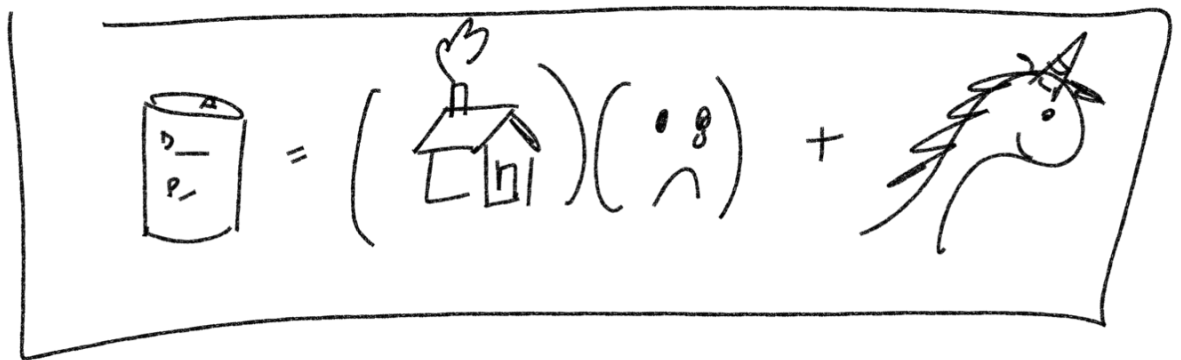
$$\boxed{x = -10}$$

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Quiz 6
and
Ch 1 Test
due tonight

HW
ch 2-1 evens
2-2 evens
Supplemental WS
Online HW 8
Quiz 8 (Thurs)
due Nov 10th (Thurs)