M-A1 Algebra 1 Week 8 10/31

$x + 9 = 12$

$-9 \quad -9$

$\boxed{x = 3}$

$x - 7 = 20$

$+7 \quad +7$

$\boxed{x = 27}$

$x - 7 = 20$

$x - 7 + 7 = 20 + 7$

inverses

$x + 0 = 27$

identity

$x = 27$

$\frac{6x}{6} = \frac{42}{6}$ (* ↓ 6x)

$\boxed{x = 7}$

$12\left(\frac{x}{12}\right) = (4)12$

$\boxed{x = 48}$

1.) $x - 3 = 18$

$+3 \quad +3$

$\boxed{x = 21}$

2.) $\left(\frac{x}{5}\right)5 = (-6)5$

$\boxed{x = -30}$

3.) $x + 8 = 23$

$-8 \quad -8$

$\boxed{x = 15}$

4.) $\frac{8x}{8} = \frac{56}{8}$

$\boxed{x = 7}$

$$3x + 2 = 23$$
$$-2 \quad -2$$

$$\frac{3x}{3} = \frac{21}{3}$$

$$\boxed{x = 7}$$

$$\frac{x}{8} - 4 = 2$$
$$+4 \quad +4$$

$$8\left(\frac{x}{8}\right) = (6)8$$

$$\boxed{x = 48}$$

1.) $4x - 8 = 24$
$+8 \quad +8$

$$\frac{4x}{4} = \frac{32}{4}$$

$$\boxed{x = 8}$$

2.) $\frac{x}{3} + 8 = 6$
$-8 \quad -8$

$$3\left(\frac{x}{3}\right) = (-2)3$$

$$\boxed{x = -6}$$

3.) $\frac{x}{2} - 12 = 8$
$+12 \quad +12$

$$2\left(\frac{x}{2}\right) = (20)2$$

$$x = 40$$

4.) $9x + 3 = 66$
$-3 \quad -3$

$$\frac{9x}{9} = \frac{63}{9}$$

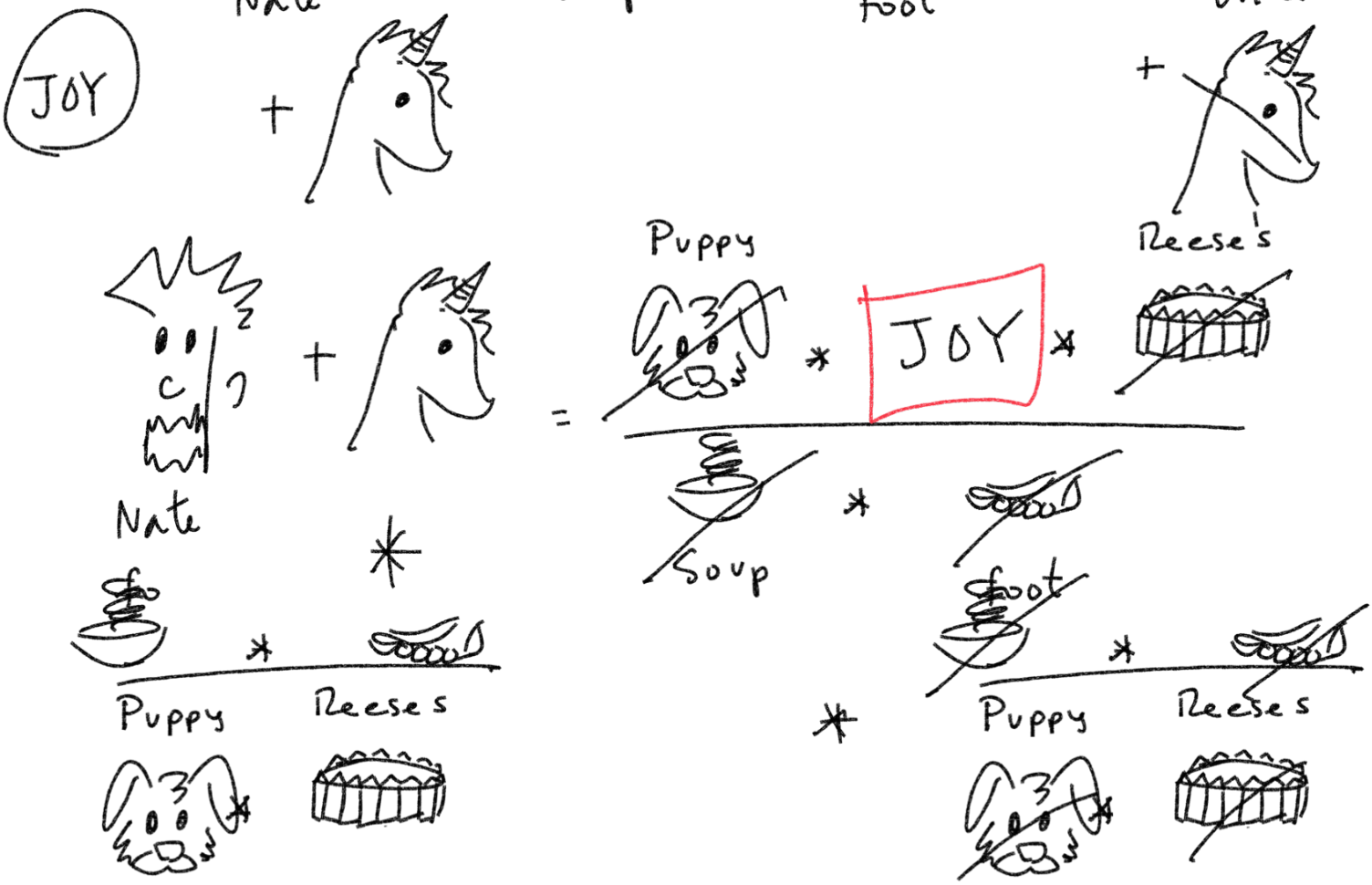
$$\boxed{x = 7}$$

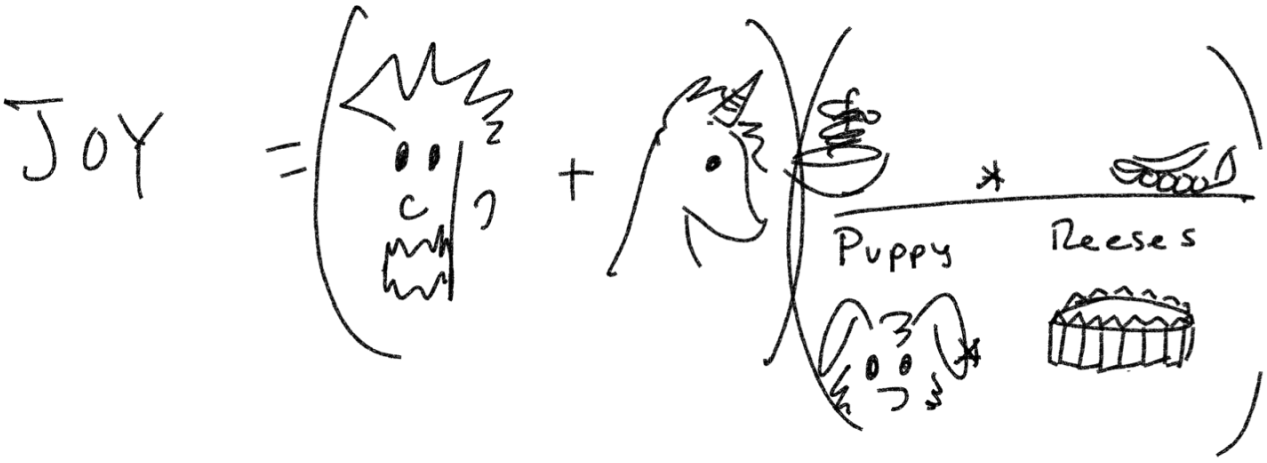
$$\frac{F}{AT} = \frac{ART}{AT}$$

$$R = \frac{F}{AT}$$

$$\frac{PV}{nT} = \frac{nRT}{nT}$$

$$R = \frac{PV}{nT}$$



JOY = 

1.) $x + 4 = 3$
$-4 \quad -4$
$\boxed{x = -1}$

2.) $8x - 2 = 46$
$+2 \quad +2$
$\frac{8x}{8} = \frac{48}{8}$ $\boxed{x = 6}$

3.) $\frac{x}{4} + 5 = -3$
$-5 \quad -5$
$4\left(\frac{x}{4}\right) = (-8)4$
$\boxed{x = -32}$

4.) $9\left(\frac{x}{9}\right) = (8)9$
$\boxed{x = 72}$

5.) $\frac{x}{6} - 1 = 12$
$+1 \quad +1$
$6\left(\frac{x}{6}\right) = (13)6$
$\boxed{x = 78}$

6.) $\left(\frac{\square + \bigcirc}{\triangle}\right) = \left(\bigstar\right)\triangle$

Find $\bigcirc$

$\square + \bigcirc = \bigstar\ast\triangle$
$-\square \qquad\qquad -\square$

$\boxed{\bigcirc = \bigstar\triangle - \square}$