



Carter Burke's Eagle Scout Project Day 3

**Warm up:**

$$X+1=4$$

$$X-3=5$$

$$2x=9$$

$$\frac{X}{2}=8$$

**2 step equations:**

$$3x+1=4$$

$$\frac{X}{7}-1=5$$

$$\frac{x}{3}+5=10$$

**3 step equations:**

$$\frac{3x+1}{5}=11$$

$$\frac{4x-5}{9}=-1$$

$$\frac{2x-12}{7}=-8$$

**Challenge:**

Solve for x,

$$3(3x+1)=y$$

Solve for x,

$$\frac{(3x+15)}{2}=y+11$$