



Carter Burke's Eagle Project - Day 4 *Final Day* **ANSWER KEY**

Warm up:

Solve for x

$$x+1= y+6 \quad x= y+5$$

$$x-3= y+1 \quad x= y+4$$

$$2x= y+6 \quad x= y/2 +3$$

$$\frac{x}{3} = y-2 \quad x= 3y-6$$

2 variable 2 step equations

Solve for x

$$2x+1= y \quad x= (y-1)/2$$

$$\frac{x}{3} -2 = y+1 \quad x= 3y+9$$

$$4x - 5 = y - 4 \quad x= (y+1)/4$$

2 variable 3 step equations

Solve for x

$$\frac{x+2}{3} = y \quad x= 3y-2$$

$$\frac{5x + 3y}{4} = 1 \quad x= (4-3y)/5$$

Challenge problem

Solve for x

$$\frac{x + 3(y - 4)}{8} = 3 \quad x= 36-3y$$