

Example #1

$$5c - 2 = 13$$

$$5c + -2 = 13$$

$$+ \quad \downarrow \quad +2 \quad +2$$

$$5c = 15$$

$$\frac{5c}{5} = \frac{15}{5}$$

$$c = 3$$

$$\text{Check } 5c - 2 = 13$$

$$\text{if } c = 3$$

$$5(3) - 2 = 13$$

$$15 - 2 = 13$$

$$13 = 13 \quad \downarrow$$

Example #2

$$\frac{n}{6} + 11 = 4$$

$$+ \quad \downarrow \quad -11 \quad -11$$

$$\frac{n}{6} = -7$$

$$n = -42$$

$$\text{Check } \frac{n}{6} + 11 = 4$$

$$-\frac{42}{6} + 11 = 4$$

$$-7 + 11 = 4$$

$$4 = 4 \quad \downarrow$$