11.

$$3(x-2) = 3x - 6$$

$$3x - 6 = 3x - 6$$

$$3x - 3x = -6 + 6$$

$$0 = 0$$

IDENTITY

12.

$$\frac{5x}{x} = 5$$

$$x\left(\frac{5x}{x}\right) = 5(x)$$

$$5x = 5x$$

$$5x - 5x = 0$$

$$0 = 0$$

IDENTITY

13.

$$6x + 3x = 15x$$

$$9x = 15x$$

$$9x - 15x = 0$$

$$-6x = 0$$

$$\frac{-6x}{-6} = \frac{0}{-6}$$

$$x = 0$$

CONDITIONAL

14.

$$7x - 3 = 7x - 5$$

$$7x - 7x = -5 + 3$$

$$0 = -2$$

NO SOLUTION

INCONSISTENT