

Name: _____

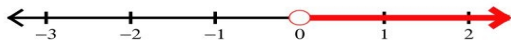
Date: _____

Inequalities Algebra Worksheet ***Answer Key***

Solve each inequality and graph its solution.

1.

$$5x - (x + 2) > -5(1 + x) + 3$$

**2.**

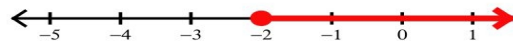
$$a - 15 > -4(-6 + 3a)$$

**3.**

$$3(6b - 1) > 18 - 3b$$

**4.**

$$4x + 1 - 1 \geq -8$$

**5.**

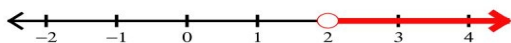
$$x + 1 + 1 + 6x > 3(x - 4) - (x - 4)$$

**6.**

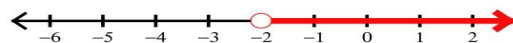
$$20 - 2p > -2(p + 2) + 4p$$

**7.**

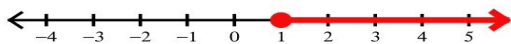
$$2(1 - 4r) < -2(r + 3) - 4$$

**8.**

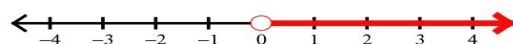
$$-6(1 + 6x) < 6(1 - 5x)$$

**9.**

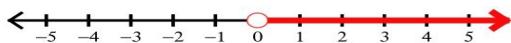
$$2p - 4p \leq -2$$

**10.**

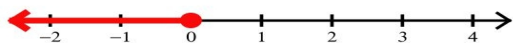
$$-5(1 - 4a) > -5$$

**11.**

$$-2(1 - 5x) > -(x + 1) - 1$$

**12.**

$$-6(1 + 2x) \geq 6(2x - 1) + 2x$$

**13.**

$$3 - 2(n - 4) > -1$$

**14.**

$$26 + m \geq 5(-6 + 3m)$$

