

Compound Inequality Review

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Per: \_\_\_\_\_

If possible, simplify or solve each inequality and graph the solution. Circle your final answer.

1.  $x < -3$  or  $x \geq -8$  \_\_\_\_\_

2.  $x < -3$  and  $x \geq -8$  \_\_\_\_\_

3.  $y < -8$  or  $-5 < y$  \_\_\_\_\_

4.  $m \geq 6$  or  $m \leq 10$  \_\_\_\_\_

5.  $3\frac{1}{2} < -w$  and  $w > -3$  \_\_\_\_\_

6.  $-2x > 6$  or  $-x - 5 < 10$  \_\_\_\_\_

7.  $3 < y$  and  $y > -2$

---

8.  $\frac{1}{2}m \leq -5$  and  $2m > -20$

---

9.  $6 < 3 - w$  or  $-3w \geq -12$

---

10.  $-12 < -2x + 6 \leq 0$

---

11.  $2(3 - x) \geq 6x + 8 - 8x$

---

12.  $-\frac{1}{2}(12y - 8) < 3(5 - 2y)$

---

13.  $m \leq 6$  or  $m < -9$

---

14.  $w > -3$  or  $w > -8$

---

15.  $x \leq 4\frac{1}{2}$  and  $x < -1\frac{1}{2}$

---

16.  $y < -5$  or  $y > -5$

---

17.  $m \geq 3$  and  $m \leq 3$

---

18.  $w < 0$  or  $w \geq 0$

---