

**Math Quiz** -3.2 Solving Inequalities

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

Directions: Solve each inequality.

1.  $7 + b \geq -3$

3.  $7x \geq 49$

2.  $p - 4 \geq 6$

4.  $\frac{a}{-10} > 4$

Directions: Solve inequality and write in set builder and interval notation

5.  $5d - 6 + 4d \geq 30$

Directions: For each inequality please do three things:  
a) graph, b) write in set-builder notation and c) write in interval notation

8.  $-4 < x + (-10) \leq 2$



6.  $x/5 + 6 - 4 \geq 22$

9.  $3g > 6$  OR  $2g \leq -6$



7.  $6n + 7 > 4n + 19$