Name_____ Date _____

11   Solving and Graphing One-Step Inequalities

Solve the inequality. Graph the solution.

1. $p - 4 < 2$

2. $\dfrac{r}{5} \leq 2$

3. $-32 > 1.6h$

4. $2 < n + \dfrac{3}{2}$

5. $z - \dfrac{2}{3} \geq \dfrac{1}{3}$

6. $-\dfrac{3}{2} < 3x$

7. $d - 2.4 \leq -5.1$

8. $-4.5 + q > 2.5$

9. To stay within your budget, the area of the house and the garage combined is at most 3000 square feet. The area of the garage is 528 square feet. Write and solve an inequality that represents the area of the house.

Solve the inequality. Graph the solution.

10. $-2p \geq 10$

11. $-2 > \dfrac{v}{-3}$

12. $\dfrac{g}{-3.2} > 4$

13. $-\dfrac{y}{3} \leq 1.4$

14. $-12 > -9h$

15. $\dfrac{a}{-3.5} \leq -1.7$