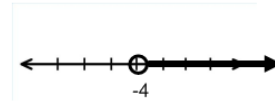**Solve Inequalities –**
6.2 Practice 3

Match each inequality with its corresponding graph.

1. $-8 \geq x - 15$

a)

2. $4x + 3 < 5x$

b)

3. $8x > 7x - 4$

c)

4. $12 + x \leq 9$

d)

Solve each inequality. Then check your solution, and graph it on a number line.

5. $r - (-5) > -2$

6. $3x + 8 \geq 4x$

7. $n - 2.5 \geq -5$

8. $1.5 < y + 1$

9. $z + 3 > \frac{2}{3}$

10. $\frac{1}{2} \leq c - \frac{3}{4}$

6.2 Practice 3

Define a variable, write an inequality, and solve each problem. Then check your solution.

11. The sum of a number and 17 is no less than 26.

12. Twice a number minus 4 is less than three times the number.

13. Twelve is at most a number decreased by 7.

14. Eight plus four times a number is greater than five times the number.