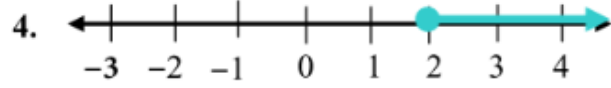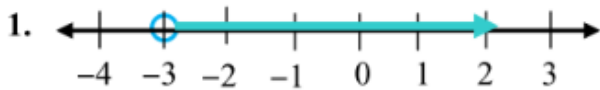**Worksheet 18 Pre-Algebra**

Remember: The inequality sign "flips" directions when you *multiply* or *divide* both sides by a **negative** number.
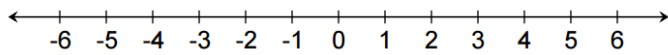
Write the inequality for each graph shown. Use x as the variable.
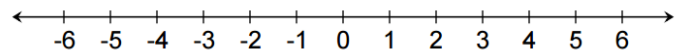
1.

2.

3.

4.

Solve each inequality below. Graph the solution on a number line.
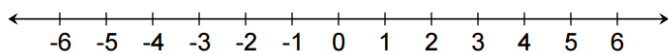
5. $3x + 1 > 7$

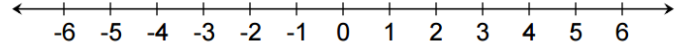6. $\dfrac{x}{2} - 1 \le -3$

7. $-5x + 4 < 9$

8. $14 \le 2(x + 3)$

9. $-4 \le \dfrac{x}{-3} - 2$

10. $3x + 4 < x + 4$