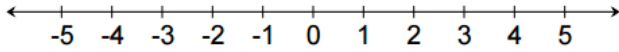


Worksheet 17 Pre-Algebra

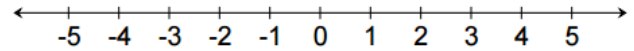
Remember: The inequality sign “flips” directions when you *multiply* or *divide* both sides by a **negative** number. Solve each inequality, and graph your solution on the number line (one answer is “off the number line”).

1. $-5x \geq -20$

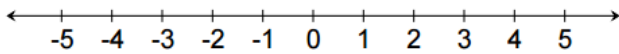
2. $Y - 7 < -3$



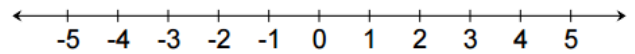
3. $z + 6 \leq 2\frac{1}{2}$



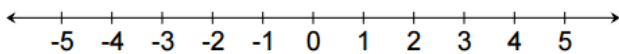
4. $\frac{w}{3} > -1.5$



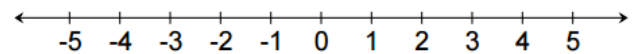
5. $\frac{N}{-2} \geq 2.2$



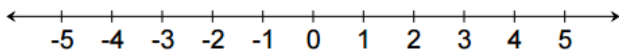
6. $y - (-5) < -2$



7. $-40 > -38 + j$



8. $-20 \leq 8m$



9. Solve this equation. Then show your check steps.

$$3y - 1 - 2y = 40 - y - 9$$

Check Steps

1) $3y - 1 - 2y = 40 - y - 9$

2)

3)