

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit

2

3 - Exercises

1, 2, 4, 8, 12

ALL EVEN

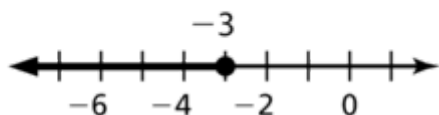
Show Sol

ODD

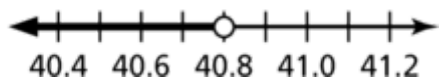
1. When solving $2x < -8$, the inequality symbol is not reversed when dividing each side by 2. When solving $-2x < 8$, the inequality is reversed when dividing each side by -2 .

2. *Sample answer:* $-5x \geq 25$

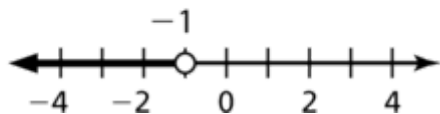
4. $y \leq -3$



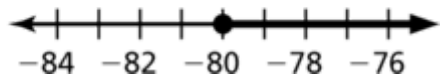
8. $a < 40.8$



12. $y < -1$



16. $w \geq -80$



20. $-8t \leq -36, t \geq 4.5$

24. $n > -16$

28. The inequality should be reversed when dividing by -4 ;

$$\frac{-4y}{-4} \geq \frac{-32}{-4}; y \geq 8; \text{ The solution is } y \geq 8.$$

31. a. $d \leq 6.3(2), d \leq 12.6$

b. yes; The distance traveled in 4 hours would be no more than 25.2 miles, which is less than the distance required for a marathon.

35. a. $A > B$ or $B < A$

b. $-A < -B$ or $-B > -A$

c. As numbers move farther away from zero, their absolute value becomes larger. $A > B$ and $|A| > |B|$. $-A < -B$ and $|A| > |B|$.

40. $x = 2$

41. $y = -4$

42. $n = 1$

43. $z = 6$

44. 85%

45. $\frac{16}{30}$

46. 120%

47. $\frac{2}{3}$