

Quiz: Absolute Value Inequalities

1 $|x-3|>7$

2 $|7x+8|-4<5$

3 $5<|9+6x|>7$

4 $-6>|5x+1|$

5 $|x-1|>-9$

6 $|5x-9|<8$

7 $8>7+|5x+9|$

8 $7<|x+6|<6+8$

9 A wall clock is circular in shape. The radius of the clock is 4 inches. Assuming the margin of error is ± 0.2 , write and solve an absolute value inequality that describes the circumference C of the box. Use $\pi=3.14$

10 A box is 25 inches long, 12 inches wide and 8 inches high when the dimensions are rounded to the nearest inch. Assuming the margin of error is ± 5 , write and solve an absolute value inequality that describes the volume V of the box.

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%