

A2.A.1: Absolute Value Inequalities 2: Solve absolute value equations and inequalities involving linear expressions in one variable

- 1 The solution set of the inequality $|x - 3| < 5$ is
- 2 The solution set of $|x - 3| > 5$ is
- 3 What is the solution of the inequality $|x + 3| \leq 5$?
- 4 What is the solution of the inequality $|y + 8| > 3$
- 5 The solution of $|2x - 3| < 5$ is
- 6 What is the solution of the inequality $|2x - 5| < 1$?
- 7 What is the solution set of the inequality $|3x + 6| \leq 30$?
- 8 What is the solution set of the inequality $|2x - 1| < 9$?
- 9 Which represents the solution set for x in the inequality $|2x - 1| < 7$?
- 10 The solution set of $|x - 2| < 3$ is
- 11 What is the solution set of $|4x + 8| > 16$?
- 12 Which is the solution set for $|x - 1| < 5$?
- 13 What is the solution set of the inequality $|3 - 2x| \geq 4$?

A2.A.1: Absolute Value Inequalities 2: Solve absolute value equations and inequalities involving linear expressions in one variable**Answer Section**

1 ANS:
 $\{x < 8 \text{ and } x > -2\}$

REF: 019719siii

2 ANS:
 $\{x > 8 \text{ or } x < -2\}$

REF: 019823siii

3 ANS:
 $-8 \leq x \leq 2$

REF: 080203b

4 ANS:
 $y > -5 \text{ or } y < -11$

REF: 010610b

5 ANS:
 $-1 < x < 4$

REF: 080509b

6 ANS:
 $2 < x < 3$

REF: 060907b

7 ANS:
 $-12 \leq x \leq 8$

REF: 069821siii

8 ANS:
 $\{x | -4 < x < 5\}$

REF: 010710b

9 ANS:
 $\{x | -3 < x < 4\}$

REF: 068024siii

10 ANS:
 $\{x | -1 < x < 5\}$

REF: 068718siii

11 ANS:
 $\{x | x < -6 \text{ or } x > 2\}$

REF: 010423siii

12 ANS:

$$\{x|-4 < x < 6\}$$

REF: 018921siii

13 ANS:

$$\left\{x|x \leq -\frac{1}{2} \text{ or } x \geq \frac{7}{2}\right\}$$

REF: 060318b