



# Absolute Value Inequalities

Version 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Direction: Solve the following absolute value inequalities.

1)  $-|x+1| < -2$

2)  $|-x+5| \geq 7$

3)  $|-3x+1|-2 \leq -5$

4)  $-|x-3|+7 < -1$

5)  $1+2|-x+1| \geq 0$



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Version 2

Name: \_\_\_\_\_

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Score: \_\_\_\_\_

Direction: Solve the following absolute value inequalities.

1)  $-|x+1| < -2$

$x > 1$  or  $x < -3$

2)  $|-x+5| \geq 7$

$x \leq -2$  or  $x \geq 12$

3)  $|-3x+1|-2 \leq -5$

*no solution*

4)  $-|x-3|+7 < -1$

$x > 11$  or  $x < -5$

5)  $1+2|-x+1| \geq 0$

*no solution*