

New Jersey City University
Intermediate Algebra
Peer Led Team Learning Workshop 2A
Absolute Value Equations and Inequalities

Section 2.3

1. Solve each absolute value equation for x . Check your solutions.

a. $|x - 5| = 2$

b. $\left|\frac{1}{3}x + 4\right| = 2$

c. $|2(x - 3)| + 4 = 9$

Section 2.3

2. a. Tom and Mary both live on Kennedy Blvd. Tom lives 5 blocks north of NJCU and Mary lives 2 blocks from Tom. Where might Mary live in relation to NJCU? (Assume Kennedy Blvd. runs in a straight line from north to south. Answers should be of the form, for example, "Mary lives 5 blocks south of NJCU.")
- b. Write an absolute value equation that describes the situation in part a, and that, if solved for x , would give the correct answer.