

# Algebra I

6-5

## Solve Absolute Value Equations

---

Absolute Value -

Graph:  $|x| = 3$



When Solving, how do we deal with absolute value?

a)

b)

Solve.

1)  $6 + |x| = 14$

2)  $|x - 9| = 2$

3)  $|3x + 17| = -27$

Solve.

$$4) 4 \cdot |2x + 8| + 6 = 30$$

$$5) -2 \cdot |-3x - 4| = -10$$

Assignment: pg. 393 4-32 even
-------------------------------------