

Exercise 115

In the following exercises, simplify each expression.

$$9 - 3|2(2 - 6) - (3 - 7)|$$

Solution

The absolute value sign makes the number within it positive.

$$9 - 3|2(2 - 6) - (3 - 7)|$$

$$9 - 3|2(-4) - (-4)|$$

$$9 - 3|(-8) - (-4)|$$

$$9 - 3|-8 + 4|$$

$$9 - 3|-4|$$

$$9 - 3(4)$$

$$9 - 12$$

$$-3$$