

5.2

Absolute Value/Ordering of Integers

• Example 1

Order the following from least to greatest.

$$7, |-2|, -2, |3|$$

Begin by simplifying the absolute values.

$$|-2| = 2$$

$$|3| = 3$$

Rewriting our list we have

$$7, 2, -2, 3$$

Now we follow the order properties of the real line to obtain

$$-2 < |-2| < |3| < 7.$$

• • • CHECK YOURSELF 1

Order the following from least to greatest.

$$|-5|, -4, |2|, -1$$

• • • CHECK YOURSELF ANSWER

1. $-4 < -1 < |2| < |-5|.$
