

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

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

**Learning Goal 5.1**

Express an entire radical as a simplified mixed radical and vice versa. Identify and order irrational numbers.

Order these numbers least to greatest.

$$5, 3\sqrt{3}, 2\sqrt{6}, \sqrt{23}$$

Simplify radicals and combine like terms.

a.  $2\sqrt{7} + 13\sqrt{7}$

b.  $\sqrt{24} - \sqrt{6}$

c.  $\sqrt{20x} - 3\sqrt{45x}, x \geq 0$

What is the exact length of AB?

