Name:_____

Write your answer in simplified radical form.

1. $\sqrt{96}$ **2.** $\sqrt{3} \cdot \sqrt{8}$ **3.** $\sqrt{\dfrac{5}{24}}$
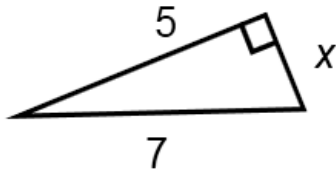
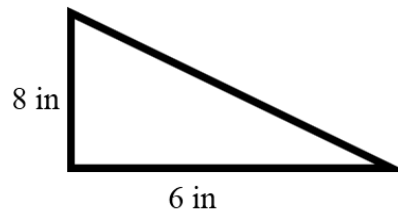**4.** $\sqrt{5}(\sqrt{10} + \sqrt{3})$ **5.** $3\sqrt{2} - 3\sqrt{8}$

Use the Pythagorean Theorem to find the missing side length of each triangle.

6.

7.

8. Can the following side lengths form a right triangle? Show or explain your work.

   12, 15, 9

9. Can the following side lengths form a right triangle? Show or explain your work.

   10, 13, 15