

Simplify the following expressions.

1. $\sqrt{180}$

2. $4\sqrt{7} + 6\sqrt{7}$

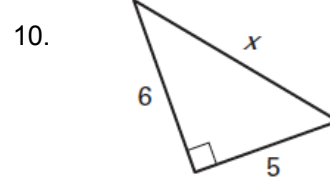
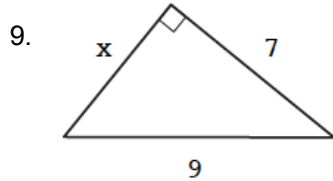
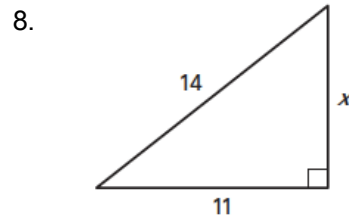
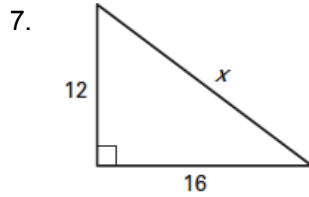
3. $21\sqrt{5} - 6\sqrt{5}$

4. $3\sqrt{12} \cdot \sqrt{6}$

5. $\frac{\sqrt{81}}{\sqrt{100}}$

6. $\frac{4}{\sqrt{5}}$

Find the unknown side length. Write your answer in simplest radical form.



Find the value(s) of the variable(s).

