

## Simplifying Radicals

**Simplify.**

1)  $\sqrt{20}$

2)  $\sqrt{18}$

3)  $\sqrt{48}$

4)  $4\sqrt{100}$

5)  $4\sqrt{8}$

6)  $\frac{\sqrt{15}}{\sqrt{48}}$

7)  $\frac{\sqrt{12}}{\sqrt{9}}$

8)  $\frac{\sqrt{5}}{\sqrt{2}}$

9)  $\frac{6}{5\sqrt{3}}$

10)  $\frac{\sqrt{2}}{2 + \sqrt{3}}$

## Simplifying Radicals

Simplify.

1)  $\sqrt{20}$   
 $2\sqrt{5}$

2)  $\sqrt{18}$   
 $3\sqrt{2}$

3)  $\sqrt{48}$   
 $4\sqrt{3}$

4)  $4\sqrt{100}$   
 $40$

5)  $4\sqrt{8}$   
 $8\sqrt{2}$

6)  $\frac{\sqrt{15}}{\sqrt{48}}$   $\frac{\sqrt{5}}{4}$

7)  $\frac{\sqrt{12}}{\sqrt{9}}$   $\frac{2\sqrt{3}}{3}$

8)  $\frac{\sqrt{5}}{\sqrt{2}}$   $\frac{\sqrt{10}}{2}$

9)  $\frac{6}{5\sqrt{3}}$   $\frac{2\sqrt{3}}{5}$

10)  $\frac{\sqrt{2}}{2 + \sqrt{3}}$   
 $2\sqrt{2} - \sqrt{6}$