

A#8-1: Radical Review**EXAMPLES: Simplify.**

1)  $\sqrt{144} =$  \_\_\_\_\_

2)  $\sqrt{196} =$  \_\_\_\_\_

3)  $\sqrt{72} =$  \_\_\_\_\_

4)  $\sqrt{40} =$  \_\_\_\_\_

5)  $3\sqrt{256} =$  \_\_\_\_\_

6)  $2\sqrt{75} =$  \_\_\_\_\_

7)  $\sqrt{6} \circ \sqrt{5} =$  \_\_\_\_\_

8)  $\sqrt{8} \circ \sqrt{10} =$  \_\_\_\_\_

9)  $(\sqrt{15})^2 =$  \_\_\_\_\_

10)  $(\sqrt{523})^2 =$  \_\_\_\_\_

11)  $(2\sqrt{10})^2 =$  \_\_\_\_\_

12)  $(3\sqrt{7})^2 =$  \_\_\_\_\_

$$13) \frac{\sqrt{90}}{\sqrt{5}} = \underline{\hspace{2cm}}$$

$$14) \frac{\sqrt{20}}{\sqrt{2}} = \underline{\hspace{2cm}}$$

$$15) \frac{2}{\sqrt{5}} = \underline{\hspace{2cm}}$$

$$16) \frac{8}{\sqrt{2}} = \underline{\hspace{2cm}}$$

$$17) (2\sqrt{101})^2 = \underline{\hspace{2cm}}$$

$$18) (2\sqrt{13})^2 = \underline{\hspace{2cm}}$$

$$19) \frac{10}{\sqrt{2}} = \underline{\hspace{2cm}}$$

$$20) \frac{9}{\sqrt{3}} = \underline{\hspace{2cm}}$$