

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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

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

## Simplify the Radicals

1 )  $\sqrt{9} =$

2 )  $\sqrt{225} =$

3 )  $\sqrt{112} =$

4 )  $\sqrt{150} =$

5 )  $\sqrt{100} =$

6 )  $5\sqrt{242} =$

7 )  $\sqrt{144} =$

8 )  $2\sqrt{300} =$

9 )  $\sqrt{405} =$

10 )  $4\sqrt{252} =$



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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

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

## Simplify the Radicals

1 )  $\sqrt{9} = 3$

2 )  $\sqrt{225} = 15$

3 )  $\sqrt{112} = \sqrt{16 \times 7} = \sqrt{16} \times \sqrt{7} = 4\sqrt{7}$

4 )  $\sqrt{150} = \sqrt{25 \times 6} = \sqrt{25} \times \sqrt{6} = 5\sqrt{6}$

5 )  $\sqrt{100} = 10$

6 )  $5\sqrt{242} = 5\sqrt{121 \times 2} = 5 \times \sqrt{121} \times \sqrt{2} = 5 \times 11 \times \sqrt{2} = 55\sqrt{2}$

7 )  $\sqrt{144} = 12$

8 )  $2\sqrt{300} = 2\sqrt{100 \times 3} = 2 \times \sqrt{100} \times \sqrt{3} = 2 \times 10 \times \sqrt{3} = 20\sqrt{3}$

9 )  $\sqrt{405} = \sqrt{81 \times 5} = \sqrt{81} \times \sqrt{5} = 9\sqrt{5}$

10 )  $4\sqrt{252} = 4\sqrt{36 \times 7} = 4 \times \sqrt{36} \times \sqrt{7} = 4 \times 6 \times \sqrt{7} = 24\sqrt{7}$

