



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

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

**Evaluate or simplify each square root expression.***Solve for x. Show your work.*

1.  $\sqrt{4} \times \sqrt{9}$

2.  $\sqrt{36} \times \sqrt{16}$

3.  $\sqrt{36} \times \sqrt{9}$

4.  $\sqrt{9} \times \sqrt{49}$

5.  $\sqrt{16} \times \sqrt{36}$

6.  $\sqrt{36} \times \sqrt{49}$

7.  $\sqrt{49} \times \sqrt{36}$

8.  $\sqrt{16} \times \sqrt{16}$



# Evaluate or simplify each square root expression. – Answer Key

1.  $\sqrt{4} \times \sqrt{9}$   
 $x = 6$

2.  $\sqrt{36} \times \sqrt{16}$   
 $x = 24$

3.  $\sqrt{36} \times \sqrt{9}$   
 $x = 18$

4.  $\sqrt{9} \times \sqrt{49}$   
 $x = 21$

5.  $\sqrt{16} \times \sqrt{36}$   
 $x = 24$

6.  $\sqrt{36} \times \sqrt{49}$   
 $x = 42$

7.  $\sqrt{49} \times \sqrt{36}$   
 $x = 42$

8.  $\sqrt{16} \times \sqrt{16}$   
 $x = 16$