

**4.6 - 4.7  
Quiz Review**

*Key*

**Directions:** You may not use a calculator until after the quiz.

1.  $\sqrt{20} \cdot \sqrt{14}$   
 $2\sqrt{70}$

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

3.  $\sqrt{10} \cdot \sqrt{20}$   
 $2\sqrt{20}$

4.  $\frac{\sqrt{20} \cdot \sqrt{5}}{\sqrt{10} \cdot \sqrt{2}}$   
 $1$

5.  $\sqrt{18} \cdot \sqrt{2}$   
 $6\sqrt{2}$   
 $24$

6.  $\sqrt{18} \cdot \sqrt{2}$   
 $3\sqrt{2} \cdot \sqrt{2} \cdot \sqrt{2}$

7.  $\sqrt{100} \cdot \sqrt{2}$   
 $10 \cdot \sqrt{2} \cdot \sqrt{2}$   
 $20\sqrt{2} \cdot \sqrt{2}$

8.  $\sqrt{100} \cdot \sqrt{2}$   
 $10 \cdot \sqrt{2} \cdot \sqrt{2}$   
 $20 \cdot \sqrt{2}$

9.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $\frac{10\sqrt{20}}{10\sqrt{20}}$   
 $1$

10.  $\frac{\sqrt{100}}{\sqrt{100}}$   
 $1$

11.  $\frac{\sqrt{100}}{\sqrt{100}} \cdot \sqrt{20} \cdot \sqrt{2}$   
 $\frac{10\sqrt{20}}{10}$

12.  $\frac{1}{\sqrt{2}} \cdot \sqrt{2}$   
 $\frac{1 \cdot \sqrt{2}}{\sqrt{2}}$

13.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $\frac{10\sqrt{20}}{10\sqrt{20}}$

14.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $\frac{10\sqrt{20}}{10\sqrt{20}}$

15.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $1$

16.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $\frac{10\sqrt{20}}{10\sqrt{20}}$

17.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $1$

18.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $1$

19.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $1$

20.  $\frac{\sqrt{100} \cdot \sqrt{20}}{\sqrt{100} \cdot \sqrt{20}}$   
 $1$

21.  $\frac{\sqrt{100}}{\sqrt{100}}$   
 $1$

22.  $\frac{\sqrt{100}}{\sqrt{100}}$   
 $1$

23.  $\frac{\sqrt{100}}{\sqrt{100}}$   
 $1$

24.  $\frac{\sqrt{100}}{\sqrt{100}}$   
 $1$

25.  $\frac{\sqrt{100}}{\sqrt{100}}$   
 $1$