

## Simplifying Square Roots

Directions: Simplify each radical expression.

1.  $\sqrt{20}$

2.  $\sqrt{48}$

3.  $\sqrt{72}$

4.  $\sqrt{96}$

5.  $\sqrt{288}$

6.  $-4\sqrt{68}$

7.  $\sqrt{676}$

8.  $\sqrt{\frac{12}{169}}$

9.  $\sqrt{\frac{55}{324}}$

10.  $\sqrt{x^2}$

11.  $\sqrt{a^2b^4c^6}$

12.  $\sqrt{a^5b^7c}$

13.  $\sqrt{500x^2}$

14.  $\sqrt{\frac{5y^4}{125}}$

15.  $\sqrt{\frac{44x^3y^4}{441z^6}}$