

## Lesson 1: Simplifying Square Roots and Rationalizing—Worksheet

Problems 1—6. Simplify each square root. Show your work using equals signs.

1.  $\sqrt{24}$

2.  $\sqrt{700}$

3.  $\sqrt{588}$

4.  $\sqrt{324}$

5.  $\sqrt{450}$

6.  $\sqrt{462}$

7. Rationalize the numerator:

$$\frac{\sqrt{3}}{2}$$

8. Rationalize the denominator:

$$\frac{2}{\sqrt{2}}$$