

## 0.02 Simplifying Radicals

Geometry

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

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

Simplify each radical:

1.  $\sqrt{8}$

2.  $\sqrt{50}$

3.  $\sqrt{98}$

4.  $5\sqrt{18}$

5.  $3\sqrt{28}$

6.  $3\sqrt{128}$

7.  $\frac{5}{\sqrt{3}}$

8.  $\frac{2}{\sqrt{7}}$

9.  $\frac{20}{\sqrt{5}}$

10.  $\frac{\sqrt{5}}{\sqrt{10}}$

11.  $\sqrt{\frac{5}{12}}$

12.  $\sqrt{\frac{3}{7}}$

13.  $3\sqrt{12} + 4\sqrt{3}$

14.  $8\sqrt{5} - 2\sqrt{45}$

15.  $4\sqrt{63} - 9\sqrt{28} + 2\sqrt{44}$