

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

Basic Skills

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

Simplifying Radicals Review

Use the square root properties to simplify the radicals. Show all work. Write answer in radical form.

1.  $\sqrt{56}$

2.  $\sqrt{72}$

3.  $\sqrt{243}$

4.  $\sqrt{\frac{13}{9}}$

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

6.  $3\sqrt{8} \cdot 2\sqrt{7}$

7.  $3\sqrt{25}$

8.  $4\sqrt{16x^2}$

9.  $10 \cdot \sqrt{\frac{32}{8}}$

10.  $\frac{\sqrt{72}}{\sqrt{6}}$

11.  $\sqrt{\frac{63}{54}}$

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

13.  $\sqrt{\frac{27p^4}{3p^2}}$

14.  $\sqrt{\frac{2x}{32}}$

