

# GEOM CP RADICAL WS

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

Simplify each radical.

1.  $\sqrt{50}$

6.  $\sqrt{80x^{16}}$

2.  $\sqrt{72}$

7.  $3\sqrt{12x^3y^4}$

3.  $3\sqrt{18}$

8.  $-5\sqrt{16x^8y^7}$

4.  $2\sqrt{27}$

9.  $-7\sqrt{45m^{10}n^3}$

5.  $\sqrt{125y^9}$

10.  $-3\sqrt{24x^9y^{20}}$

Simplify by rationalizing the denominator

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

6.  $\frac{-4\sqrt{3}}{\sqrt{18}}$

2.  $\frac{\sqrt{5}}{\sqrt{6}}$

7.  $\frac{8\sqrt{3}}{\sqrt{12}}$

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

8.  $\frac{2\sqrt{8}}{3\sqrt{6}}$

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

9.  $\frac{-4\sqrt{3}}{\sqrt{15}}$

5.  $\frac{3\sqrt{6}}{\sqrt{2}}$

10.  $\frac{-9\sqrt{7}}{\sqrt{12}}$