

Name _____ Date _____

Simplify each radical expression. Show all work for credit.

1) $\sqrt{32} \cdot \sqrt{5}$

2) $\sqrt{8} \cdot \sqrt{5}$

3) $-4\sqrt{28} \cdot \sqrt{18}$

4) $\sqrt[3]{9} \cdot \sqrt[3]{3} \cdot \sqrt[3]{2}$

5) $-\sqrt{6} \cdot \sqrt{12}$

6) $5\sqrt{112} \cdot -\sqrt{44}$

7) $\sqrt{8p} \cdot \sqrt{45p}$

8) $-7\sqrt{28g} \cdot 2\sqrt{10g}$

9) Explain why $5\sqrt{2}$ is in simplest form.

