

Name: _____

Date: _____ Per: _____

Unit

Radicals

Mixed
Operations
HW

Simplify, Add, and Subtract Radicals

Write final answers in simplest radical form.

1. $\sqrt{275}$

2. $-4\sqrt{108}$

3. $\sqrt{135}$

4. $4\sqrt{38}$

5. $-2\sqrt{196k^8}$

6. $5\sqrt{147x^9y^{16}z^2}$

7. $-5\sqrt{2} - 3\sqrt{2}$

8. $2\sqrt{7} + 3\sqrt{28}$

9. $8\sqrt{75} - \sqrt{192} + 4\sqrt{6}$

10. $4\sqrt{125} - 2\sqrt{243} - 3\sqrt{20} + 5\sqrt{27}$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

B. _____

$$5x^2\sqrt{18xy} + \sqrt{72x^5y} - x^2\sqrt{2xy}$$