1. Evaluate the radical expression.

$$3\sqrt{96\kappa} + 2\sqrt{150\kappa}$$

A. $30\sqrt{6\kappa}$

B. $30\sqrt{3\kappa}$

C. $22\sqrt{3\kappa}$

D. $27\sqrt{3\kappa}$

E. $17\sqrt{6\kappa}$

F. $22\sqrt{6\kappa}$

G. $27\sqrt{6\kappa}$

H. $17\sqrt{3\kappa}$

2. Evaluate the radical expression.

$$\sqrt{\frac{13}{49}} + \sqrt{\frac{13}{25}}$$

A. $\frac{12\sqrt{13}}{35}$

B. $\frac{4\sqrt{13}}{35}$

C. $\frac{13\sqrt{13}}{35}$

D. $\frac{19\sqrt{13}}{35}$

E. $\frac{1\sqrt{13}}{5}$

F. $\frac{3\sqrt{13}}{35}$

G. $\frac{4\sqrt{13}}{7}$

H. $\frac{2\sqrt{13}}{7}$

3. Evaluate the radical expression.
$$6\sqrt{6a} - 9\sqrt{6a}$$

A. $5\sqrt{12a}$

B. $-3\sqrt{6a}$

C. $2\sqrt{12a}$

D. $2\sqrt{6a}$

E. $-9\sqrt{6a}$

F. $-9\sqrt{12a}$

G. $-3\sqrt{12a}$

H. $5\sqrt{6a}$

4. Evaluate the radical expression.
$$\sqrt[3]{0} + \sqrt[3]{0.064}$$

A. $-\frac{28}{5}$

B. $-\frac{8}{5}$

C. $\frac{7}{5}$

D. $\frac{17}{5}$

E. $\frac{22}{5}$

F. $-\frac{18}{5}$

G. $\frac{2}{5}$

H. $\frac{32}{5}$

5. Evaluate the radical expression.

$$\sqrt{\frac{11}{9}} - \sqrt{\frac{11}{25}}$$

A. $\frac{1\sqrt{11}}{3}$

B. $\frac{2\sqrt{11}}{5}$

C. $\frac{8\sqrt{11}}{15}$

D. $\frac{2\sqrt{11}}{15}$

E. $\frac{1\sqrt{11}}{5}$

F. $-\frac{1\sqrt{11}}{3}$

G. $\frac{3\sqrt{11}}{5}$

H. $-\frac{1\sqrt{11}}{5}$

6. Evaluate the radical expression.

$$\sqrt[3]{16\phi^7}$$

A. $8\phi^2\sqrt[3]{2\phi}$

B. $-7\phi^4\sqrt[3]{2\phi}$

C. $-3\phi^4\sqrt[3]{2\phi}$

D. $8\phi^4\sqrt[3]{2\phi}$

E. $-7\phi^2\sqrt[3]{2\phi}$

F. $-3\phi^2\sqrt[3]{2\phi}$

G. $2\phi^2\sqrt[3]{2\phi}$

H. $2\phi^4\sqrt[3]{2\phi}$

7. Evaluate the radical expression.
$$5\sqrt{45u} - 2\sqrt{80u}$$

A. $1\sqrt{3u}$

B. $9\sqrt{5u}$

C. $7\sqrt{5u}$

D. $7\sqrt{3u}$

E. $12\sqrt{3u}$

F. $12\sqrt{5u}$

G. $9\sqrt{3u}$

H. $1\sqrt{5u}$

8. Evaluate the radical expression.
$$2\sqrt[7]{6w} + 8\sqrt[7]{6w} - 7\sqrt[7]{6w}$$

A. $0\sqrt[7]{18w}$

B. $3\sqrt[7]{6w}$

C. $0\sqrt[7]{6w}$

D. $4\sqrt[7]{6w}$

E. $-4\sqrt[7]{18w}$

F. $-4\sqrt[7]{6w}$

G. $3\sqrt[7]{18w}$

H. $4\sqrt[7]{18w}$