

Name _____

Date _____

Multiplying Radical Expressions Practice 2

Simplify all the radical expressions.

1) $-\sqrt{63} (\sqrt{20} - \sqrt{48})$

6) $-\sqrt{44} (-\sqrt{45} + \sqrt{112})$

2) $\sqrt{18} (-\sqrt{176} + \sqrt{12})$

7) $-\sqrt{99} (\sqrt{28} + \sqrt{80})$

3) $-\sqrt{32} (\sqrt{99} + \sqrt{28})$

8) $-\sqrt{80} (-\sqrt{28} + \sqrt{27})$

4) $\sqrt{20} (-\sqrt{63} + \sqrt{32})$

9) $\sqrt{112} (-\sqrt{99} - \sqrt{12})$

5) $-\sqrt{18} (\sqrt{28} + \sqrt{48})$

10) $-\sqrt{99} (\sqrt{28} + \sqrt{48})$

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Simplify all the radical expressions.

1) $-\sqrt{63} (\sqrt{20} - \sqrt{48})$

$$-6\sqrt{35} + 12\sqrt{21}$$

6) $-\sqrt{44} (-\sqrt{45} + \sqrt{112})$

$$6\sqrt{55} - 8\sqrt{77}$$

2) $\sqrt{18} (-\sqrt{176} + \sqrt{12})$

$$-12\sqrt{22} + 6\sqrt{6}$$

7) $-\sqrt{99} (\sqrt{28} + \sqrt{80})$

$$-6\sqrt{77} - 12\sqrt{55}$$

3) $-\sqrt{32} (\sqrt{99} + \sqrt{28})$

$$-12\sqrt{22} - 8\sqrt{14}$$

8) $-\sqrt{80} (-\sqrt{28} + \sqrt{27})$

$$8\sqrt{35} - 12\sqrt{15}$$

4) $\sqrt{20} (-\sqrt{63} + \sqrt{32})$

$$-6\sqrt{35} + 8\sqrt{10}$$

9) $\sqrt{112} (-\sqrt{99} - \sqrt{12})$

$$-12\sqrt{77} - 8\sqrt{21}$$

5) $-\sqrt{18} (\sqrt{28} + \sqrt{48})$

$$-6\sqrt{14} - 12\sqrt{6}$$

10) $-\sqrt{99} (\sqrt{28} + \sqrt{48})$

$$-6\sqrt{77} - 12\sqrt{33}$$