

Name _____

Date _____

Multiplying Radical Expressions Independent Practice Answers

1) $\sqrt{20b} \cdot \sqrt{18b}$

$6b\sqrt{10}$

6) $\sqrt{63} \cdot \sqrt{32}$

$12\sqrt{14}$

2) $\sqrt{44} \cdot \sqrt{45}$

$6\sqrt{55}$

7) $-\sqrt{18} \cdot \sqrt{12}$

$-6\sqrt{6}$

3) $-\sqrt{32} (\sqrt{28} - \sqrt{27})$

$-8\sqrt{14} + 12\sqrt{6}$

8) $(\sqrt{3} - \sqrt{2})(-\sqrt{3} - \sqrt{2})$

-1

4) $\sqrt{28g} \cdot \sqrt{99g}$

$6g\sqrt{77}$

9) $-\sqrt{18} \cdot -\sqrt{48}$

$12\sqrt{6}$

5) $-\sqrt{8} \cdot -\sqrt{112}$

$8\sqrt{14}$

10) $\sqrt{44} \cdot \sqrt{112}$

$8\sqrt{77}$

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Multiplying Radical Expressions Matching Sheet Answers

1) $-\sqrt{112} \cdot -\sqrt{8}$ **g**

a) $-6h\sqrt{22}$

2) $\sqrt{44} \cdot \sqrt{112}$ **f**

b) -9

3) $\sqrt{48} (\sqrt{28} + \sqrt{99})$ **h**

c) $6\sqrt{77}$

4) $\sqrt{18h} \cdot -\sqrt{44h}$ **a**

d) $6d\sqrt{10}$

5) $-\sqrt{63k} \cdot \sqrt{20k}$ **e**

e) $-6k\sqrt{35}$

6) $-\sqrt{44} \cdot -\sqrt{63}$ **c**

f) $8\sqrt{77}$

7) $(\sqrt{2} + (\sqrt{11})) (\sqrt{2} - (\sqrt{11}))$ **b**

g) $8\sqrt{14}$

8) $\sqrt{20d} \cdot \sqrt{18d}$ **d**

h) $8\sqrt{21} + 12\sqrt{33}$