

Name _____

Date _____

Multiplying Radical Expressions Quiz 3

Simplify all the radical expressions.

1) $(-\sqrt{7} - \sqrt{2})(-\sqrt{7} + \sqrt{2})$

6) $(\sqrt{3} - \sqrt{11})(-\sqrt{3} + \sqrt{11})$

2) $(-\sqrt{5} - \sqrt{11})(-\sqrt{5} - \sqrt{11})$

7) $(-\sqrt{11} + \sqrt{7})(\sqrt{11} + \sqrt{7})$

3) $(-\sqrt{7} - \sqrt{2})(\sqrt{7} + \sqrt{2})$

8) $(-\sqrt{3} - \sqrt{11})(-\sqrt{3} + \sqrt{11})$

4) $(-\sqrt{11} - \sqrt{2})(\sqrt{11} + \sqrt{2})$

9) $(-\sqrt{11} + \sqrt{5})(\sqrt{11} + \sqrt{5})$

5) $(\sqrt{7} - \sqrt{2})(\sqrt{7} - \sqrt{2})$

10) $(-\sqrt{3} - \sqrt{2})(\sqrt{3} + \sqrt{2})$

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Multiplying Radical Expressions Quiz 3 Answer Key

Simplify all the radical expressions.

1) $(-\sqrt{7} - \sqrt{2})(-\sqrt{7} + \sqrt{2})$

5

6) $(\sqrt{3} - \sqrt{11})(-\sqrt{3} + \sqrt{11})$

 $-14 + 2\sqrt{33}$

2) $(-\sqrt{5} - \sqrt{11})(-\sqrt{5} - \sqrt{11})$

 $16 + 2\sqrt{55}$

7) $(-\sqrt{11} + \sqrt{7})(\sqrt{11} + \sqrt{7})$

 $-18 + 2\sqrt{77}$

3) $(-\sqrt{7} - \sqrt{2})(\sqrt{7} + \sqrt{2})$

 $-10 - 2\sqrt{14}$

8) $(-\sqrt{3} - \sqrt{11})(-\sqrt{3} + \sqrt{11})$

-8

4) $(-\sqrt{11} - \sqrt{2})(\sqrt{11} + \sqrt{2})$

 $-13 - 2\sqrt{22}$

9) $(-\sqrt{11} + \sqrt{5})(\sqrt{11} + \sqrt{5})$

-6

5) $(\sqrt{7} - \sqrt{2})(\sqrt{7} - \sqrt{2})$

 $9 - 2\sqrt{14}$

10) $(-\sqrt{3} - \sqrt{2})(\sqrt{3} + \sqrt{2})$

 $-5 - 2\sqrt{6}$