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Name:_____ Period:_____Date:_____

Multiplying Square Roots

Section I. Multiply and simplify

1. $5\sqrt{2} \cdot \sqrt{2} =$ _____

2. $\sqrt{3} \cdot -6\sqrt{3} =$ _____

3. $\sqrt{6} \cdot \sqrt{12} =$ _____

4. $-2\sqrt{6} \cdot \sqrt{3} =$ _____

5. $-7\sqrt{2} \cdot -\sqrt{10} =$ _____

6. $4\sqrt{7} \cdot -2\sqrt{7} =$ _____

7. $5\sqrt{12} \cdot 2\sqrt{6} =$ _____

8. $2\sqrt{15} \cdot 4\sqrt{10} =$ _____

9. $9\sqrt{2} \cdot -4\sqrt{14} =$ _____

10. $\frac{1}{4}\sqrt{6} \cdot -12\sqrt{15} =$ _____

11. $-9\sqrt{14} \cdot \frac{2}{3}\sqrt{21} =$ _____

12. $-3\sqrt{10} \cdot -8\sqrt{22} =$ _____

13. $\frac{5}{13}\sqrt{26} \cdot \frac{4}{5}\sqrt{13} =$ _____

14. $-\frac{1}{6}\sqrt{7} \cdot 12\sqrt{14} =$ _____

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