NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PERIOD\_\_\_\_\_\_

14.2 – Multiplying Radicals

Multiply, then simplify.

1. $\sqrt{3}∙\sqrt{11}=$ \_\_\_\_\_\_\_\_\_\_ 2. $3\sqrt{7}∙5\sqrt{7}=$ \_\_\_\_\_\_\_\_\_\_

3. $-2\sqrt{4}∙4\sqrt{5}=$ \_\_\_\_\_\_\_\_\_\_ 4. $3\sqrt{2}∙8\sqrt{4}=$ \_\_\_\_\_\_\_\_\_\_

5. $4\sqrt{5}∙2\sqrt{10}=$ \_\_\_\_\_\_\_\_\_\_ 6. $\left(\sqrt{6}\right)^{2}=$ \_\_\_\_\_\_\_\_\_\_

7. $2\sqrt{18}∙3\sqrt{5}=$ \_\_\_\_\_\_\_\_\_\_ 8. $-3\sqrt{3}∙\sqrt{18}=$ \_\_\_\_\_\_\_\_\_\_

9. $\sqrt{5}∙\sqrt{8}=$ \_\_\_\_\_\_\_\_\_\_ 10. $\left(\sqrt{11}\right)^{2}=$ \_\_\_\_\_\_\_\_\_\_

11. $\left(-4\sqrt{3}\right)\left(-2\sqrt{5}\right)=$ \_\_\_\_\_\_\_\_\_\_ 12. $\sqrt{5}∙\sqrt{20}=$ \_\_\_\_\_\_\_\_\_\_

13. $\left(9\sqrt{2}\right)^{2}=$ \_\_\_\_\_\_\_\_\_\_ 14. $-5\sqrt{3}∙6\sqrt{3}=$ \_\_\_\_\_\_\_\_\_\_

15. $\sqrt{20}∙\sqrt{6}=$ \_\_\_\_\_\_\_\_\_\_ 16. $\sqrt{8}∙\sqrt{2}=$ \_\_\_\_\_\_\_\_\_\_

17. $\left(-5\sqrt{8}\right)\left(-3\sqrt{5}\right)=$ \_\_\_\_\_\_\_\_\_\_ 18. $7\sqrt{2}∙\sqrt{10}=$ \_\_\_\_\_\_\_\_\_\_

19. $\sqrt{11}∙\sqrt{7}=$ \_\_\_\_\_\_\_\_\_\_ 20. $\left(10\sqrt{3}\right)^{2}=$ \_\_\_\_\_\_\_\_\_\_