

Name _____

8-7A Lesson Master

Questions on SPUR Objectives
See pages 521–523 for objectives.

SKILLS Objective D

In 1 and 2, simplify. Give the exact value.

1. $\sqrt{405}$ _____

2. $\sqrt{360}$ _____

In 3–12, simplify. Give the exact value. Assume all variables are positive.

3. $\sqrt{7} \cdot \sqrt{14}$ _____

4. $5\sqrt{48}$ _____

5. $\frac{\sqrt{108}}{\sqrt{6}}$ _____

6. $\sqrt{36p^3q^4}$ _____

7. $7\sqrt{240m^8n^2}$ _____

8. $3\sqrt{20m} \cdot \sqrt{5m}$ _____

9. $\sqrt{6a^5b} \cdot \sqrt{12ab}$ _____

10. $\frac{\sqrt{x^5}}{\sqrt{x}}$ _____

11. $\frac{\sqrt{120x^2y^7}}{\sqrt{8xy}}$ _____

12. $\sqrt{\frac{9y^{26}}{16z^{10}}}$ _____

In 13–16, write the exact value of the unknown in simplified form.




