

Name _____

11-4A Lesson Master**Questions on SPUR Objectives**

See pages 708–711 for objectives.

SKILLS Objective C

1. List all the factors of
- $9x^2$
- .

In 2 and 3, find the GCF.

2. $2x^4$ and $10x^2$

3. $10x^3$, $15x^2$, and $20x^2y^2$

In 4–7, complete the products.

4. $12x + 20 = 4(\text{_____} + \text{_____})$

5. $3n^4 - 5n^3 = n^3(\text{_____} - \text{_____})$

6. $6y^2 - 12y + 21 = 3(\text{_____} - \text{_____} + \text{_____})$

7. $4a^2b + 16a^3b^2 = 4a^2b(\text{_____} + \text{_____})$

In 8 and 9, simplify.

8. $\frac{48w^2 + 192w^7}{48w^2}$

9. $\frac{21p^4q^2 - 35p^6q}{-7p^3q}$

In 10–13, factor the polynomial completely.

10. $15x - 35$

11. $24x^2 - 8x$

12. $20 - 6x + 2$

13. $18a^4 - a^5x$
