

Name:

Date:

Period:

Factor the following problems. Don't forget to ask yourself: "Have I gone far enough?" for every problem.

1. $3x^2 + 7x - 20$

2. $2x^2 - 18$

3. $2a^2 + 2a - 84$

4. $3x^2 - 15x - 42$

5. $x^3 - 9x$

6. $6x^2 + 5x - 6$

7. $x^3 + 5x^2 + 6x$

8. $2x^2 - 3x - 5$

9. $6r^2 + 17rs - 14s^2$

10. $3a^2 + 3a - 18$

11. $2x^2 - 50$

12. $4a^2 - 9b^2$

13. $56x^4y^3 - 42x^2y^6$

14. $3x^2 - 7x + 2$

15. $9x^2 - 49$

16. $y^3 - 4y$

17. $x^2 - 16x + 48$

18. $3ax^2 - 27a$