

Factoring Self-Test
SOL A.2c

Name _____
Date _____

1. Complete the following table for the types of factoring.

Name	Number of Terms
1.	1.
2.	2.
3.	3.

Factor the following polynomials. Show your charts!!!

2. $x^2 + 22x + 121$

3. $m^2 - 6m - 55$

4. $3y^2 + 21y - 24$

5. $6x^3y^2 + 14x^2y + 2x^2$

6. $2x^2 + 40x + 200$

7. $5a^2 - 20$

8. $3a^5 - 6a^4 + 9a^3$

9. $3h^2 + 2h - 16$

10. $x^2 - 5x - 14$

11. $y^2 + 12y + 36$

12. $y^2 - 9$

13. $a^2 - 30 - a$

14. $16x^2 - 36y^2$

15. $3x^2 + 11x + 6$

16. Match the problems with the signs of the factors.

A. $x^2 - 6x + 8$

B. $x^2 + 6x + 8$

C. $x^2 - 7x - 8$

i. Both signs are positive.

ii. Both signs are negative.

iii. They have different signs.