

Name _____

Due Date _____

Block _____

Rational Functions Practice Test #1.3

Factor completely. You may show your work on another piece of paper. If the polynomial cannot be factored, show why you know it is prime.

1. $x^2 - x - 12$

2. $2x^2 + 10x + 12$

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

4. $x^2 - 2x - 24$

5. $16a^8 - 81y^8$

6. $b^6 + c^{12}$

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

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

9. $6x^3 + 5x^2 - 2x - 1$

10. $x^4 + 5x^3 + 9x^2 + 7x + 2$