

Name _____
Mr. Schlansky

Date _____
Algebra II

Factoring Trinomials with Substitution

1. Rewrite the expression $(x^2 + 5x)^2 - 2(x^2 + 5x) - 24$ as a product of four linear factors.

2. Rewrite the expression $(x^2 - 2x)^2 - 11(x^2 - 2x) + 24$ as a product of four linear factors.

3. Rewrite the expression $(x^2 - 3x)^2 - 14(x^2 - 3x) + 40$ as a product of four linear factors.

4. Rewrite the expression $(4x^2 + 5x)^2 - 5(4x^2 + 5x) - 6$ as a product of four linear factors.