

Name: _____

Class: _____

Practice - Polynomials Enrichment

Simplify each of the following.

1) $x(3x - 4) - 5x$

2) $6a(2a - b) + 2a(-4a + 5b)$

3) $4n(3n^2 + n - 4) - n(3 - n)$

4) $-2z(4z^2 - 3z + 1) - z(3z^2 + 2z - 1)$

5) $-x(2x^2 - 4x) - 6x^2$

6) $4r(2r^2 - 3r + 5) + 6r(4r^2 + 2r + 8)$

7) $2b(b^2 + 4b + 8) - 3b(3b^2 + 9b - 18)$

8) $2(4x^2 - 2x) - 3(-6x^2 + 4) + 2x(x - 1)$

Polynomials Enrichment:



Outcomes:

PR5 - Demonstrate an understanding of polynomials

PR7 - Multiplying and dividing polynomials