

**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:

