

MME Prep: Polynomials

Date _____ Period _____

Simplify each expression.

1) $(5r^3 + 3r + 8r^2) + (6r^2 + 6r + 7r^3)$

2) $(7n + 6n^3 - 5) - (1 - 7n^3 - 5n)$

Find each product.

3) $(5p - 7)(4p^2 + 4p - 3)$

4) $(3x^2 + 7x + 1)(5x^2 + 3x - 2)$

Find all zeros.

5) $y = 5x^3 + 4x^2 - x$

You try! Simplify each expression.

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

7) $(1 - 3x - 7x^3) + (1 + x^3 - 8x)$

You try! Find each product.

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

You try! Find all zeros.

9) $y = 2x^3 + 5x^2 - 25x$