

Name : _____

Simplifying Polynomial Expressions

MS2

Simplify each expression.

1) $\frac{3}{2}(5x^2 - 3x^2 + 6x^3) - \frac{11}{3}(6x^3 + 9)$

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

3) $15(5a^4 - 2a^3 + 9a^3 - 5a^4 - 6a^3) + 12a^4$

4) $6d^4 + 2(7d^4 - 3d^5) - 2d(10d^4 + 4)$

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5) $\frac{6}{4}(3x^2 + 4x^3 - 19x^2)$

$-7r^2) - (3r^2 - 7r)$

7) $-14s^2 + 6s^2 + 2s^2$

$7(5d + 11) + 5(3d - 2)$

9) $\frac{1}{4}(4y^2 + 8y^3 - 11y^5 + 12y^2 - 5y^5 + 4y^3)$

10) $(5b^4 - 2b^5)(6b^5 + b^4)$