

Week 1

Date _____ Hour _____

Simplify each expression.

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

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

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

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

5) $(2 - 4b^4 - 5b) - (2 + 3b^2 - 2b)$

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

7) $2m^4 - 2m - m^2 + 5m + 2m^4 - 2m^3 + 3m + 4m^2$

8) $4m^3 - 1 + m - 5m^3 - m^2 + 4m - 5m^3 - m^2 + 4m$

9) $(5xy^2 + 5x^2 - 2 - 2xy) + (2x^2 + 2xy + 5y^2 + 3) + (4 - 5y^2 - 5xy + 5xy^2)$

10) $(3a + b^2 - a^2b - 2a^2) + (3a^2 + 1 + 4a^2b - 2b) - (4b^2 + 2b + 1 + 4ab)$

Week 1

Date _____ Hour _____

Simplify each expression.

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

$-2x^2 - x$

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

$-2x^4 - x^3$

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

$2n^4 + 4n$

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

$6x^4 + 5x^3 - 4x^2$

5) $(2 - 4b^4 - 5b) - (2 + 3b^2 - 2b)$

$-4b^4 - 3b^2 - 3b$

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

$-4p^3 - 5p^2 + p$

7) $2m^4 - 2m - m^2 + 5m + 2m^4 - 2m^3 + 3m + 4m^2$

$4m^4 - 2m^3 + 3m^2 + 6m$

8) $4m^3 - 1 + m - 5m^3 - m^2 + 4m - 5m^3 - m^2 + 4m$

$-6m^3 - 2m^2 + 9m - 1$

9) $(5xy^2 + 5x^2 - 2 - 2xy) + (2x^2 + 2xy + 5y^2 + 3) + (4 - 5y^2 - 5xy + 5xy^2)$

$10xy^2 + 7x^2 - 5xy + 5$

10) $(3a + b^2 - a^2b - 2a^2) + (3a^2 + 1 + 4a^2b - 2b) - (4b^2 + 2b + 1 + 4ab)$

$3a^2b - 3b^2 + a^2 - 4ab - 4b + 3a$