

Algebra

Weds. 2-13-13

CLASS NOTES

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① $\underline{7a^2 - 10a^2 + 9a}$

$\boxed{-3a^2 + 9a}$

Homework
Review
Pg 417
1-14

② $\underline{13x^2 + 9y^2 - 6x^2}$

$\boxed{7x^2 + 9y^2}$

↑
L.C.

③ $\underline{0.07r^4 + 0.32r^3 + 0.19r^4}$

$\boxed{0.26r^4 + 0.32r^3}$

④ $\frac{1}{4}p^3 + \frac{2}{3}p^3$

$\frac{3}{12}p^3 + \frac{8}{12}p^3$

$\boxed{\frac{11}{12}p^3}$

$$\textcircled{5} \quad \underline{5b^3c} + \underline{b^3c} - \underline{3b^3c}$$

$$\boxed{3b^3c}$$

$$\textcircled{6} \quad \underline{-8m} + \underline{5} - \underline{16} + \underline{11m}$$

$$\boxed{3m - 11}$$

$$\textcircled{7} \quad (5N^3 + 3N + 6) + (18N^3 + 9)$$

$$\underline{5N^3} + \underline{3N} + 6 + \underline{18N^3} + 9$$

$$\boxed{23N^3 + 3N + 15}$$

$$\textcircled{8} \quad (3.7g^2 - 8g + 3.7) + (4.3g^2 - 2.9g + 1.6)$$

$$\underline{3.7g^2} - \underline{8g} + 3.7 + \underline{4.3g^2} - \underline{2.9g} + 1.6$$

$$\boxed{8.0g^2 - 10.9g + 5.3}$$

$$\begin{aligned} \textcircled{9} \quad & (-3x+12) + (9x^2+2x-18) \\ & \underline{\underline{-3x+12}} + 9x^2 + \underline{\underline{2x-18}} \\ & -x - 6 + 9x^2 \\ & \boxed{9x^2 - x - 6} \end{aligned}$$

quadratic trinomial

$$\begin{aligned} \textcircled{10} \quad & (9x^4 + x^3) + (2x^4 + 6x^3 - 8x^4 + x^3) \\ & \underline{\underline{9x^4+x^3}} + \underline{\underline{2x^4+6x^3}} - \underline{\underline{8x^4+x^3}} \\ & \boxed{3x^4 + 8x^3} \end{aligned}$$

quartic binomial

$$\textcircled{11} (6c^4 + 8c + 6) - 1(2c^4)$$

$$\underline{6c^4} + \textcircled{8c} + 6 - \underline{2c^4}$$

$$\boxed{4c^4 + 8c + 6}$$

$$\textcircled{12} (16y^2 - 8y + 9) - (6y^2 - 2y + 7y)$$

$$\underline{16y^2} - \textcircled{8y} + 9 - \underline{6y^2} + \textcircled{2y} - \textcircled{7y}$$

$$\boxed{10y^2 - 13y + 9}$$

quadratic trinomial

$$\textcircled{13} (2r + 5) - (5r - 6)$$

$$\underline{2r} + 5 - \underline{5r} + 6$$

$$\boxed{-3r + 11}$$

linear binomial

$$\textcircled{14} \quad (-7k^2 + 3) - (2k^2 + 5k - 1)$$

$$\underline{-7k^2} + 3 - \underline{2k^2} - 5k + 1$$

$$-9k^2 + 4 - 5k$$

$$\boxed{-9k^2 - 5k + 4}$$

quadratic trinomial