

pg. 571: 1-6 (411); 24-32 (411)

① NO

② NO

③ linear  
binomial

④ cubic  
monomial

⑤ quadratic  
Binomial

⑥ cubic  
trinomial

⑦ cubic  
trinomial

⑧ constant  
monomial

④ 2x, linear  
monomial

⑤ 20m<sup>3</sup>, cubic  
monomial

⑥ -3w+7, linear  
binomial

⑦ -16, constant  
monomial

⑧ 5y<sup>2</sup>-3y+8  
quadratic  
trinomial

⑨ 11y<sup>3</sup>-14  
cubic binomial

⑩ 5x<sup>3</sup>-2y-6  
cubic trinomial

⑪ 7b<sup>3</sup>-4c<sup>3</sup>  
cubic binomial

⑫ 9w<sup>3</sup>+14w<sup>2</sup>  
cubic binomial

10.1 cont

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Hint : Combine Like Terms.

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

$$\underline{5x^3} - \underline{2x} + \underline{x^2} + \underline{7} + \underline{3x^2} + \underline{7} - \underline{4x}$$

$$\underline{5x^3 + 4x^2 - 6x + 14}$$

C.L.T.  
+  
S.F

Idea  
(3) + (4)  
3 + 4  
(3) + (x+2)  
3 + x + 2

ex2)  $(2x^2 + x - 5) + (x + x^2 + 12)$

$$\underline{2x^2} + \underline{x} - \underline{5} + \underline{x} + \underline{x^2} + \underline{12}$$

$$\underline{\underline{3x^2 + 2x + 7}}$$

Subtracting

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

$$\begin{array}{r} \cancel{-2x^3} + 5x^2 - \cancel{4x} + 8 \quad \cancel{+2x^3} - \cancel{3x} + 4 \\ \hline \end{array}$$

$$5x^2 - 7x + 12$$

ex4]  $(3x^2 - 5x + 3) - (2x^2 - x - 4)$

$\underline{3x^2} - \underline{5x} + \underline{3} - \underline{2x} + \underline{x} + \underline{4}$

$x^2 - 4x + 7$

If we Add Poly

- Drop the  $()$  +
- Comb like Terms.

If we Subt. Poly.

- Dist. the Neg. through
- the Second Poly.
- Drop the  $()$  +
- Comb. like terms.

O.T.L.  
Pg 522:  
33-50(all)  
~~for the Ng.~~