

Ex #2: $(3x^2 - 2x + 8) - (x^2 - 4)$

Vertical:
$$\begin{array}{r} 3x^2 - 2x + 8 \\ -(x^2 + 0x - 4) \\ \hline \end{array}$$

$2x^2 - 2x + 12$

Hor. $(3x^2 - 2x + 8) - (x^2 - 4)$

$3x^2 - 2x + 8 - x^2 + 4$

$3x^2 - x^2 - 2x + 8 + 4$

$2x^2 - 2x + 12$

Practice Problems Pg 430 (6, 8, 10, 12, 14, 15, 16)

6. $x^2 + 3x^3 - 2 \rightarrow 3x^3 + x^2 - 2$

8. $3x^4 + 23 - 2x + 2x^2 \rightarrow 3x^4 + 2x^2 - 2x + 23$

10. $(15x^2 + 5x) + (3x^2 - 3)$

$15x^2 + 3x^2 + 5x - 3$

$18x^2 + 5x - 3$

12. $(10x^4 - 3x^2 + 2) + (3x^3 + 2x^2 - 13)$

$10x^4 + 3x^3 - 3x^2 + 2x^2 + 2 - 13$

$10x^4 + 3x^3 - x^2 - 11$

14. $4x + 1 + 4x + 1 + 3x - 1 + 3x - 1$

$14x$

15. $(12x^2 + 5x + 11) - (10x^2 + 3x + 2)$

$12x^2 + 5x + 11 - 10x^2 - 3x - 2$

$12x^2 - 10x^2 + 5x - 3x + 11 - 2$

$2x^2 + 2x + 9$

16. $(3x^4 + 2x^2) - (2x^4 + 3)$

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

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

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

C.W. Pg 430 (20, 22, 26, 30, 32, 38, 42, 46, 48)

H.W. Pg 430 (19-51 odds)