

Algebra II

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ADD SUBTRACT

1) $x^2 - 2x + 2 ; 2$	10) $4u - 1$ $2u + 15$	19) $m^2 + 21$
2) $x^3 + 7x^2 - 2x + 3 ; 3$	11) $2t^2 - 3t - 13$ $-13t - 1$	20) -25
3) $3x^3 - x ; 3$	12) $3n^2 - n + 6$ $n^2 - n + 4$	21) $7ax$
4) $5x^2 + 3x - 7 ; 2$	13) $5v^3 + v^2 - 1$ $5v^3 - v^2 - 4v + 3$	22) $-9dm + 22dn$
5) $9x^2y^2 - 3x^2 + 5xy^2 ; 4$	14) $-2w^3$ $2w^3 + 2w - 2$	23) $12p^2 - 21pq - 20q^2$
6) $2x^3y + 4x^2y^3 - 3xy^2 ; 5$	15) $5x^2 - 2xy + 7y^2$ $x^2 - 2xy + y^2$	24) $24a^2 - ab + 30b^2$
7) $5x^3y^2z^2 + 6x^2y^3z^3 - xyz ; 7$	16) $4a^2 + ab$ $4a^2 + 5ab - 2b^2$	25) $a = -2$ $b = 4$ $c = 3$ $d = 2$
8) $2x^2yz^2 ; 5$	17) $13x^2 - 6x - 2$	26) $a = 2$ $b = -2$ $c = 4$ $d = -1$
9) $7m - 1$ $3m - 7$	18) $15y^2 + 7y - 3$	27) $a = -1$ $b = 3$ $c = 2$

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$$25) (4t^3 - at^2 - 2bt + 5) - (ct^3 + 2t^2 - 6t + 3) = t^3 - 2t + d$$

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$$26) (ax^3 - 3x^2 + 2bx - 2) - (2x^3 - cx^2 - 5x - 4d) = x^2 + x - 6$$

$$ax^3 - 2x^3 = 0x^3 \quad -3x^2 + cx^2 = 1x^2$$

$$a = 2$$

$$c = 4$$

$$2bx + 5x = 1x$$

$$b = -2$$

$$-2 + 4d = -6$$

$$d = -1$$

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$$27) (x^2 + ax + 2b) + (x^2 - 2bx + 3a) = cx^2 - 7x + 3$$

$$x^2 + x^2 = cx^2$$

$$c = 2$$

$$\underline{ax} - \underline{2bx} = \underline{-7x}$$

$$2b + 3a = 3$$

$$-2b + a = -7$$

$$\hline 4a = -4$$

$$a = -1$$

$$2b + 3(-1) = 3$$

$$2b = 6$$

$$b = 3$$

Oct 30-8:29 AM