

HW: Worksheet/10-18 even, 24, 26

Warm up:

Multiply.

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

$$10x^2 - x - 3$$

2) $(4x + 5)(9x^2 - 3x - 7)$

$$36x^3 - 12x^2 - 28x + 45x^2 - 15x - 35$$

$$36x^3 + 33x^2 - 43x - 35$$

HW Solutions

$$\textcircled{2} (m^2 - 5m + 4)(m^2 + 7m - 3)$$

$$m^4 + \underbrace{7m^3}_{\cancel{m^3}} - \underbrace{3m^2}_{\cancel{m^2}} - \underbrace{5m^3}_{\cancel{m^3}} - \underbrace{35m^2}_{\cancel{m^2}} + \underbrace{15m}_{\cancel{m}} + \underbrace{4m^2}_{\cancel{m^2}} + \underbrace{28m}_{\cancel{m}} - \underbrace{12}_{\cancel{m}}$$

$$m^4 + 2m^3 - 34m^2 + 43m - 12$$

$$\text{Q28} \quad (2y-11)(y^2-3y+2)$$

$$2y^3 - \underbrace{6y^2}_{\cancel{4y^2}} - \underbrace{11y^2}_{\cancel{33y}} + 33y - 22$$

$$2y^3 - 17y^2 + 37y - 22$$

$$\textcircled{37} (a-2b)^2$$

$$(a-2b)(a-2b)$$

$$a^2 - \underline{2ab} - \underline{2ab} + 4b^2$$

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

$$\textcircled{39} (x-5y)^2$$

$$(x-5y)(x-5y)$$

$$x^2 - \underline{5xy} - \underline{5xy} + 25y^2$$

$$x^2 - 10xy + 25y^2$$

4x4 bingo

Binomial Bingo!

$2x^2+10x+12$

$x^2-4x-21$

$6x^2+30x+36$

$10x^2+18x-4$

$12x^2+30x-18$

$4x^2-30x+14$

$20x^2-14x+2$

$3x^2+18x+27$

$5x^2+14x-3$

$2x^2-10x-28$

$4x^2+16x+16$

$15x^2+42x-9$

$5x^2-36x+7$

$16x^2-16x+4$

$4x^2+10x-6$

x^2+6x+9

$8x^2+12x-8$

$3x^2-12x-63$

$9x^2+54x+81$

$x^2-14x+21$

$25x^2-10x+1$

1) $x+3$

2) $2x+4$

3) $3x+9$

4) $x-7$

5) $4x-2$

6) $5x-1$