1/30 Algebra 1 - Downing

Unit 6 Lesson 2A - Multiplying Polynomials

Go over HW — Review Warm-up

$x^3y^2 \cdot x^4y^5 = x^7y^7$ $\quad x^5y^4 \cdot x^1y^5 = x^6y^9$

Ex) $4(3x^2+4x-8) = 12x^2+16x-32$

Ex) $6pq(2p-q) = 12p^2q-6pq^2$

Ex) $\frac{1}{2}x^2y(6xy+8x^2y^2) = 3x^3y^2+4x^4y^3$

Ex) $3ab(5a^2+b) = 15a^3b+3ab^2$

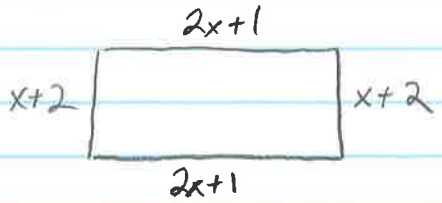
Ex) $-5r^2s^2(r-3s) = -5r^3s^2+15r^2s^3$

Ex) $(x+2)(x+5)$

$x^2+5x+2x+10$

$x^2+7x+10$

Ex)



Perimeter: $2x+1+2x+1+x+2+x+2$

$6x+6$

Ex) $(x+3)(x-4)$

$x^2-4x+3x-12$

x^2-x-12

Area: $l \cdot w$

$A = (2x+1)(x+2)$

$2x^2+4x+1x+2$

$2x^2+5x+2$

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

$2x^2+10x-3x-15$

$2x^2+7x-15$

HW - Worksheet