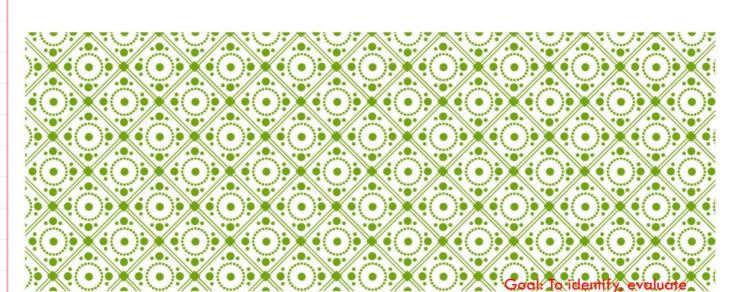
DAILY QUEST:

Add or Subtract Polynomials 1) $(3x^4 + 5x^3 - 4) \ominus (2x^2 - 4x^3 + 9)$ $3x^4 + 5x^3 - 4) - 2x^4 + 4x^3 - 9$

 $3x^{4} + 9x^{3} - 2x^{2} - 13$

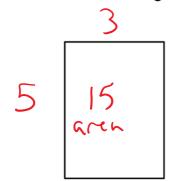


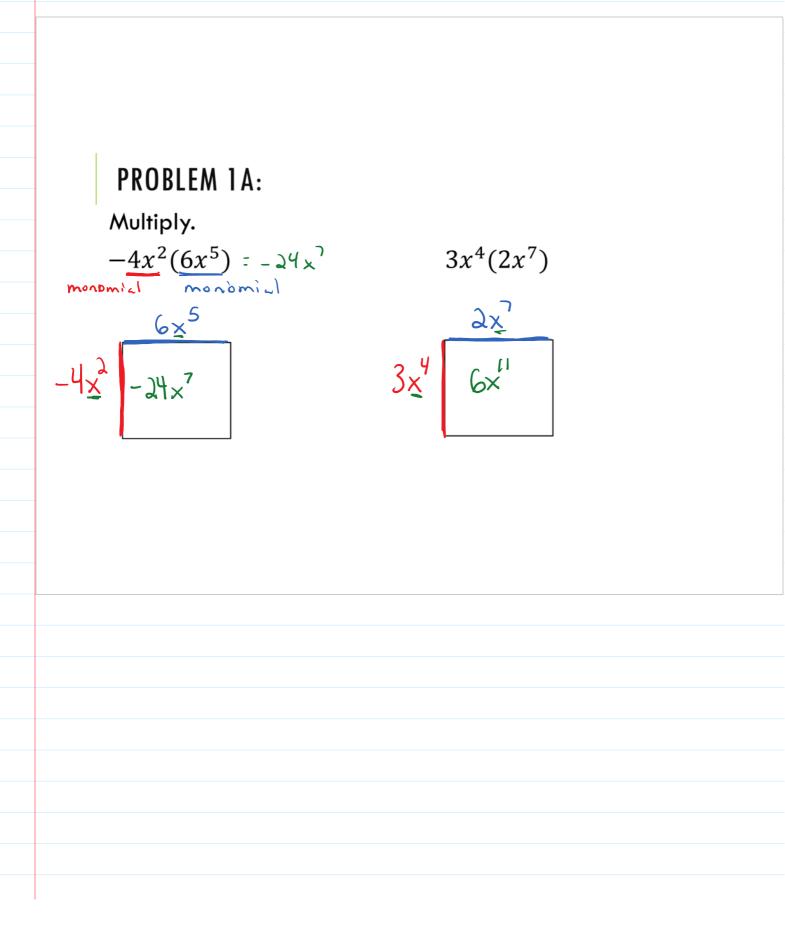
LESSON 14.3 MULTIPLY POLYNOMIALS EVALUATE EXPRESSIONS

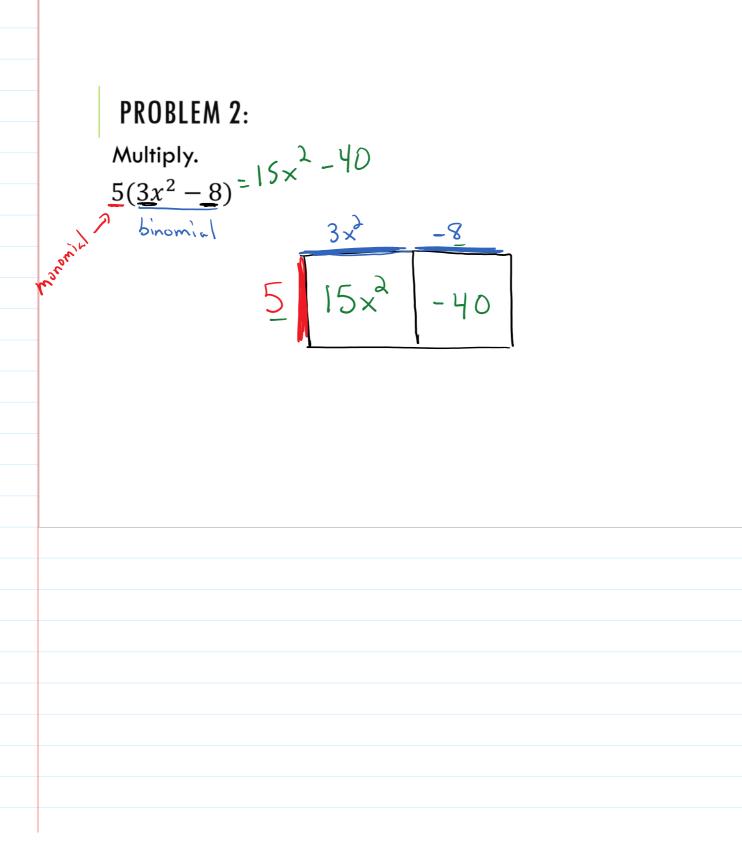
and use operations with expressions/polynomials. Obj: SWBAT multiply polynomials. Obj: SWBAT evaluate expressions.

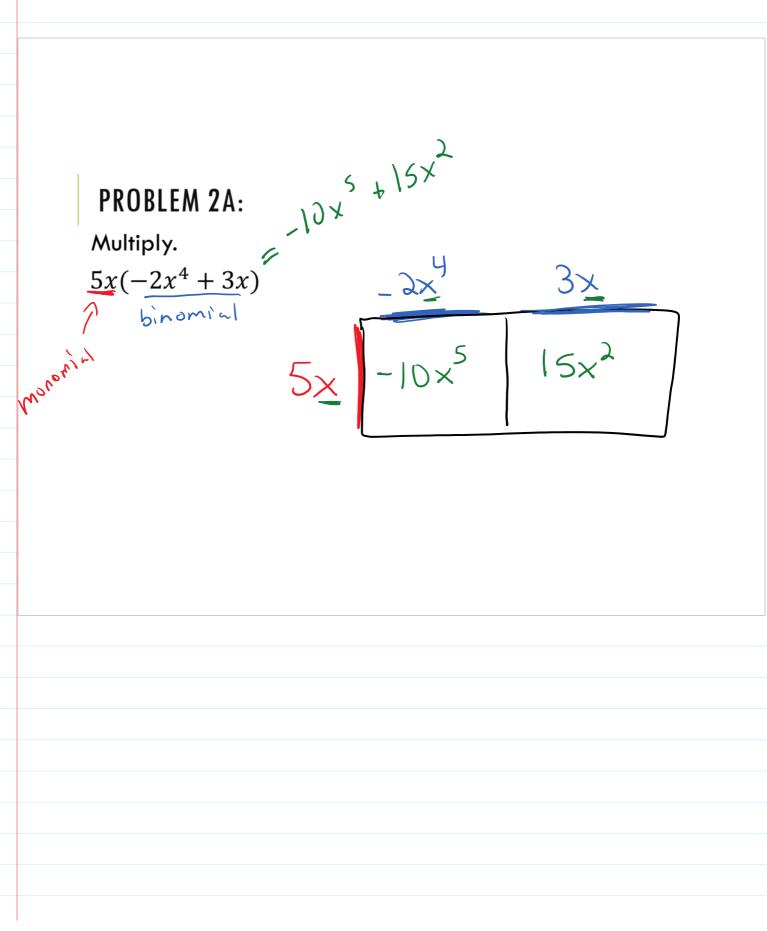
PROBLEM 1:

The length of the rectangle is 5 inches and the width is 3 inches. What is the area of the rectangle?





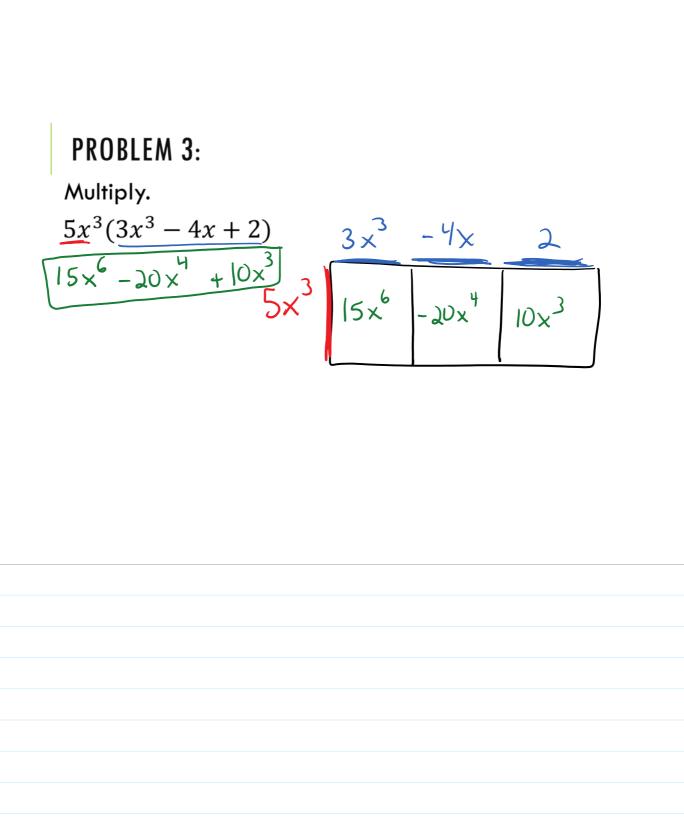






Multiply.

$$\underbrace{4x^{6}(-3x^{2}-9)}_{-12x^{8}-36x^{6}} -36x^{6} -36x^{6} -36x^{6} -36x^{6}$$



PROBLEM 3A:

Multiply. $2x^2(5x^3 - 3x + 2)$

.

PROBLEM 3B:

Multiply. $-3x^4 (2x^2 - x + 6)$

PROBLEM 4: Evaluate the expression when x = 4 and y = 5 $xy + (y - x)^3$ P $(4)(5) + (5 - 4)^3$ E $(4)(5) + (5 - 4)^3$ E $(4)(5) + (5 - 4)^3$ E $(4)(5) + (1)^3$ E

PROBLEM 4A:

Evaluate the expression when x = -4 and y = 5

 $\begin{array}{r} xy - (y + 3y) \\ (-4)(5) - (5 + 3(5)) \\ (-4)(5) - (5 + 15) \\ -20 - 20 \\ -40 \end{array}$

 $2x^2 + (10 - y)^2$ $2(-4)^{2} + (10 - 5)^{2}$ $2(-4)^{2} + 5^{2}$ 2(16) +25 32 + 2557

PROBLEM 4B:

Evaluate the expression when x = 6 and y = 2

 $y + x^2 - yx$