Monday- EOC Practice / Finish Tests

Tuesday-

1) $a^7 \bullet a^{12} =$

2) $\left(7q^5\right)\left(12q^3r^5\right) =$

3) $\left(x^2\right)^3 =$

4) $\dfrac{10^6}{10^2} =$

5) $\left(\dfrac{x}{y}\right)^6 =$

6) $\left(\dfrac{2d^4}{4e}\right)^3 =$

Wednesday-
Simplify each expression below using the properties of exponents. Your answer should only contain positive exponents.

1. $\left(\dfrac{4c^{-5}}{8d^0}\right)^3$	2. $\left(2^0 \cdot x^{-3}\right)^4$
3. $6x^4x^{-10}$	4. $\dfrac{a^{12}b^{-3}}{a^5b^5}$

Thusday-

1) $(4m^2 - 3m + 10) + (m^2 + m - 2)$

2) $(8x^2 + x - 6) - (-x^2 + 2x - 3)$

3)

BUSINESS The polynomial $s^3 - 70s^2 + 1500s - 10{,}800$ models the profit a company makes on selling an item at a price s. A second item sold at the same price brings in a profit of $s^3 - 30s^2 + 450s - 5000$. Write a polynomial that expresses the total profit from the sale of both items.

Name: _____ Date: _____ Block: _____

Friday-

1. Solve each problem below.
 	
    a. Find the sum: $(2x + 5) + (x + 3)$
 	
    b. Find the product: $(2x + 5) \cdot (x + 3)$
 	
    c. Compare and contrast your solutions to the two problems above. Sketch Algebra tiles to support your response.
	2. Find the area of the rectangle below:
	
	$6x + 7$
	
	$3x - 1$