Wednesday, March 18th to Wednesday, March 25th

The following is to be completed and passed in by **March 25th**

➔ **Please note**: I will be collecting your work at the end of the task and expect to see the following (you will be marked on this):
- Each section of work (mini-lesson, examples, sets of questions/answers, etc.) must be properly labeled.
- Work showing that you tried each of the examples requested
- Answers for each question (not just the final answers!! Show work where possible!)
- It should be clearly visible that your work was corrected and some questions were done over.

➔ It is necessary that you stay on task and not be disruptive during class time. There will be "guided learning" going on throughout each class (I will be working with a few students at a time, going over class material). The rubric below (#1 specifically) will reflect your effort to cooperate. This is very necessary in order for guided learning to take place.

➔ **Day 1 (Date:_____)**
- Topic – *"Multiplying Polynomials - Section 5.5"*
- Algebra Tile activity.
- Mini-lesson #1- 5.5 Multiplying by a constant. Please copy down examples.
- Complete practice questions from textbook:
  - Textbook Questions Pg. 246-247 #3, 5, 9, 11a, 12 & 15

➔ **Day 2 (Date:_____)**
- Topic – *"Multiplying Polynomials - Section 5.6"*
- Mini-lesson #2- 5.5 Multiplying by a monomial. Please copy down examples.
- Complete practice questions from textbook:
  - Textbook Questions Pg. 255-256 #4, 6, 9a & 12

➔ **Day 3 (Date:_____)**
- Flex day

➔ **Day 4 (Date:_____)**
- Topic – *"Dividing Polynomials - Section 5.5 & 5.6"*
- Mini-lesson #3- 5.6 Dividing. Please copy down examples.
- Complete practice questions from textbook:
  - Textbook Questions 246 & 247 #8a, 10, 16, 20a
  - Pg. 255 & 256 #10a, 16

➔ **Day 5 (Date:_____)**
- Complete review sheet for test.

Please make sure to go through the "Checklist" below before handing in your task!

Item	Description	Checklist	Evaluation
1. Work ethic	Worked quietly and independently without disrupting other students. Stayed on task and used class time effectively.		/5 Teacher Evaluation
2. Section 5.5	**Algebra Tile Activity/Mini-Lesson #1** (Multiplying by a constant). Took notes and participated in lesson (paid attention and asked/answered questions).		/5
	Textbook Questions **Pg. 246 & 247 # 3, 5, 9, 11a, 12 & 15**. All work must be shown.		/10
	Marked and corrected Practice questions. Incorrect questions were <u>redone</u> correctly.		/5
3. Section 5.6	**Mini-Lesson #2** (Multiplying by a monomial). Took notes and participated in lesson (paid attention and asked/answered questions).		/5
	Textbook Questions **Pg. 255 & 256 # 4, 6, 9a, 12.** All work must be shown.		/10
	Marked and corrected Practice questions. Incorrect questions were <u>redone</u> correctly.		/5
4. Section 5.5 & 5.6	**Mini-Lesson #3** (Dividing). Took notes and participated in lesson (paid attention and asked/answered questions).		/5
	Textbook Questions: **Pg. 246 & 247 #8a, 10, 16, 20a & Pg. 255 & 256 # 10a, 16**. All work must be shown.		/10
	Marked and corrected Practice questions. Incorrect questions were <u>redone</u> correctly.		/5
5. Review	Complete handout **TASK 2 Multiplying and Dividing Polynomials**. Check your answers. Ask for help with any incorrect answers.		/10
	Marked and corrected Practice questions. Incorrect questions were <u>redone</u> correctly.		/5
6. Organization of the week's work	The student's work is organized; it is easy to follow and text questions/answers are properly numbered and mini-lessons labeled.		/5
7. Completion of task	Task was FULLY completed and passed in on or before due date specified. **March 25th**.		/5
		Total:	/100

Instruction: Be sure to show ALL work. Check answers when completed.

1. Determine the product of each polynomial.
    a.   12a(12a + 11)   f.   9g(4h + 2)

    b.   b (9b^2 + 4b + 3)   g.   8(2y + 7)

    c.   11x(−5x^3 + 8x^2 + 9x + 8)   h.   5(−6p - 3)

    d.   6x^2(−5x + 4)   i.   4(− 8m − 9)

    e.   − 9(− 3m^2 + 9m + 11)   j.   − 3w(7w + 8)

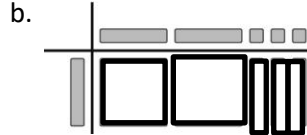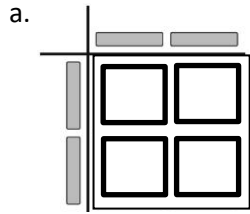2. Determine the quotient of each polynomial.
    a.   (6x − 9) ÷ 3   d.   (15x^3 + 20x^2 + 5x) ÷ − 5

    b.   (8x^2 − 4x + 8) ÷ −2

                                                           e.   (− 72x^4 + 81x^2 − 9x) ÷ 9
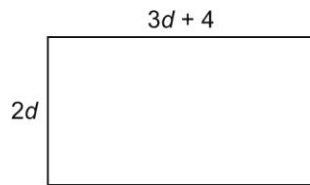
    c.   (6x^3 + 30x^2 + 24x) ÷ 6

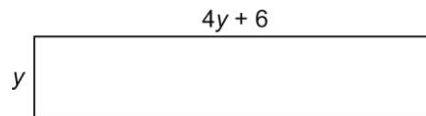3. Write the multiplication sentence modelled by each set of algebra tiles.

   a.

   b.

   c.
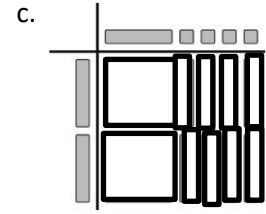
4. Write the multiplication sentence modelled by each rectangle

a.

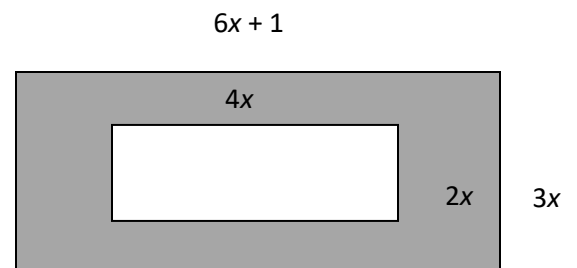$3d + 4$

$2d$

b.

$4y + 6$

y

5. The following diagram shows a family room with a rug in the centre:

$6x + 1$

   a. Write an expression to represent the area of the family room floor.

   $4x$

   b. Write an expression to represent the area of the rug.

   $2x$ $3x$

   c. Write an expression to represent the area of the family room floor **not** covered by the rug.

   d. If x = 2 m, find the area of the floor **not** covered by the rug.