**Math II Practice Assignment**

* Complete each set of problems below on a separate sheet of paper.
* You will receive a grade for each set.
* SHOW YOUR WORK!

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Set A – Operations on Polynomials #1

1. Simplify: (m2 – 10m + 5) + (3m2 + 4m – 2)

2. Simplify: (x2 + 2) – (4x2 – 2x – 7)

3. Write a polynomial that represents the area of the square.

6y – 5

4. Ace manufacturing has determined that the cost of labor for producing *x* transmissions is 0.3x2 + 400x + 550 dollars, while the cost of materials is

0.1x2 + 50x + 800 dollars. Write a polynomial that represents the total cost of materials and labor for producing *x* transmissions.