**FFPC Test Review**

1. Suppose you have 20 meters of fencing. What is the greatest rectangular area you can make?
2. What if you increase each dimension by 3 meters…what will your new dimensions be? What will the new area be?

3. Write an expression for the area in factored

 X form and expanded form

 9

 x 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 2 | 5 | 10 | 17 | 26 | 37 |

 4.

Describe the pattern.

What is the nth term?

What is the 15th term?

5. For the equation: **y = (x - 3)(x + 5)**

Find the x-intercepts \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Find the y-intercept \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Line of symmetry \_\_\_\_\_\_\_\_\_\_\_\_\_ Maximum or minimum \_\_\_\_\_\_\_\_\_\_\_\_\_

**On page 81-82, do problems #5 and #6**