MBF 3C: UNIT 5 – Factoring and Expanding with Quadratics
Lesson 4: Factoring

Complete the following statements with a partner:

1) $(x-2)(x+3) = x^2 + x + \_\_\_\_\_$

2) $(x+4)(x+3) = x^2 + 7x + \_\_\_\_\_$

3) $(x+7)(x+3) = x^2 + \_\_\_\_\_$

4) $(x-5)(x+1) = x^2 + \_\_\_\_\_$

5) $(x+\quad\quad)(x+2) = x^2 = 3x + 2$

6) $(x+2)(x+\quad\quad) = x^2 - x - 6$

7) $(x+\quad\quad)(x+1) = x^2 + 6x + 8$

Today we are looking at REVERSING binomial multiplication.
Factoring is like jeopardy; you will be given the answer and you need to state the question!

Examples:
Factor completely:

1) $x^2 + 5x + 6$

2) $x^2 + 3x - 18$

3) $x^2 - 9x + 20$

4) $x^2 + 8x + 16$

5) $x^2 - 17x + 72$

6) $x^2 + 2x - 48$

Now try: Page 127 #1, 2a, 3