Name:_____Date:_____Period:____

IM2 Chapter 13: Factoring Polynomial Expressions

Factoring trinomials with $a \neq 1$ using tables. $ax^2 + bx + c$

1) $2x^2 + 11x + 12$

Identify the product of the first and last term (ac)_____, the b term_____,

List the factors of ac that will give you the b term_____ and _____

Complete the table to help you factor the trinomial:

.		

2) $2x^2 - 5x - 7$

Identify the product of the first and last term (ac)_____, the b term_____,

List the factors of ac that will give you the b term_____ and _____

Complete the table to help you factor the trinomial:

.		

3) $3x^2 + 5x - 2$

Identify the product of the first and last term (ac)_____, the b term_____,

List the factors of ac that will give you the b term_____ and _____

Complete the table to help you factor the trinomial:

.		

4) $4x^2 - 13x + 3$

Identify the product of the first and last term (ac)_____, the b term_____,

List the factors of ac that will give you the b term_____ and _____

Complete the table to help you factor the trinomial:

$\cdot$		

5) $5x^2 + 17x + 6$

Identify the product of the first and last term (ac)_____, the b term_____,

List the factors of ac that will give you the b term_____ and _____

Complete the table to help you factor the trinomial:

$\cdot$		

6) $2x^2 + x - 21$

Identify the product of the first and last term (ac)_____, the b term_____,

List the factors of ac that will give you the b term_____ and _____

Complete the table to help you factor the trinomial:

$\cdot$		