* Factor each of the following:

$1x^2 - 10x + 25$ → $(x-5)(x-5) \rightarrow (x-5)^2$

1^2 $\quad 2(5\cdot 1)$ $\quad 5\cdot 5$

$1y^2 + 20y + 100$ → $(y+10)(y+10) \rightarrow (y+10)^2$

1^2 $\quad 2(10\cdot 1)$ $\quad 10\cdot 10$

100
1·100
2·50
4·25
5·20
10·10

$4a^2 + 28ac + 49c^2$ → $(2a+7c)(2a+7c) \rightarrow (2a+7c)^2$

$2\cdot 2$ $\quad 2(2\cdot 7)$ $\quad 7\cdot 7$

+14ac
+14ac

4
1·4
2·2

49
1·49
7·7

14
14

Trinomial Square