

$$\begin{array}{l}
 \text{3) } (x+4)(x+5) \\
 x^2 + 5x + 4x + 20 \\
 \hline
 x^2 + 9x + 20
 \end{array}$$

$$\begin{array}{l}
 \text{4) } (x-3)(x-4) \\
 x^2 - 4x - 3x + 12 \\
 \hline
 x^2 - 7x + 12
 \end{array}$$

$$\text{5) } (x-6)(x-9)$$

$$\begin{array}{l}
 x^2 - 9x - 6x + 54 \\
 \hline
 x^2 - 15x + 54
 \end{array}$$

$$\text{6) } (x-5)(x-5)$$

$$\begin{array}{l}
 x^2 - 5x - 5x + 25 \\
 \hline
 x^2 - 10x + 25
 \end{array}$$

$$\text{7) } (x+8)^2$$

$$(x+8)(x+8)$$

	x	$+8$
x	x^2	$8x$
$+8$	$8x$	64

$$x^2 + 16x + 64$$

$$\text{8) } (x+7)(x-7)$$

$$\begin{array}{l}
 x^2 - 7x + 7x - 49 \\
 \hline
 x^2 - 49
 \end{array}$$

$$\text{9) } (x-6)(x+1)$$

$$\begin{array}{l}
 x^2 + x - 6x - 6 \\
 \hline
 x^2 - 5x - 6
 \end{array}$$

$$\text{10) } (x+2)(x-8)$$

$$\begin{array}{l}
 x^2 - 6x - 16 \\
 \hline
 x^2 - 8x + 2x - 16
 \end{array}$$

Try These:

1) $(x+1)(x+3)$

$$x^2 + 3x + 1x + 3$$

$$(x^2 + 4x + 3)$$

2) $(x+3)(x+5)$

$$x^2 + 5x + 3x + 15$$

$$(x^2 + 8x + 15)$$

3) $(x-6)(x-5)$

$$x^2 - 6x - 5x + 35$$

$$(x^2 - 11x + 35)$$

4) $(x-7)(x-1)$

$$x^2 - 1x - 7x + 7$$

$$(x^2 - 8x + 7)$$

5) $(x+5)(x-7)$

$$x^2 - 7x + 5x - 40$$

$$(x^2 - 2x - 40)$$

6) $(x+8)(x-2)$

$$x^2 - 2x + 8x - 16$$

$$(x^2 + 6x - 16)$$

7) $(x+3)(x-3)$

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

$$(x^2 - 9)$$

8) $(x+5)^2$

$$(x+5)(x+5)$$

$$x^2 + 5x + 5x + 25$$

$$(x^2 + 10x + 25)$$

9) $(3+x)(6+x)$

$$18 + 3x + 6x + x^2$$

$$(18 + 9x + x^2)$$