

# Factoring Quadratics (A)

KEY

Factor each expression

#1 - #10

$6x$   
 $-5x$

1.  $2x^2 + x - 15$   
 $(2x-5)(x+3)$

2.  $x^2 - 10x + 9$   
 $(x-9)(x-1)$

3.  $2x^2 + 18x + 28$   
 $2(x+7)(x+2)$

4.  $4x^2 - 10x - 24$   
 ~~$2(x^2 - 5x - 12)$~~   
 $2(2x+3)(x-4)$

5.  $x^2 - 3x - 10$   
 $(x-5)(x+2)$

6.  $2x^2 - 9x - 18$   
 $(2x+3)(x-6)$

7.  $4x^2 + 8x + 3$   
 $(2x+3)(2x+1)$

8.  $2x^2 + 15x + 25$   
 $(2x+5)(x+5)$

9.  $x^2 + 5x + 4$   
 $(x+4)(x+1)$

10.  $2x^2 + 9x - 81$   
 $(2x-9)(x+9)$

11.  $2x^2 - 17x + 21$

12.  $x^2 + 14x + 49$

13.  $4x^2 + 4x - 8$

14.  $x^2 + 10x + 25$

15.  $4x^2 - 12x - 7$

16.  $2x^2 - 10x + 8$

17.  $2x^2 - 21x + 49$

18.  $2x^2 - 6x - 8$

19.  $4x^2 + 6x - 10$

20.  $x^2 + 11x + 30$