

Name \_\_\_\_\_

Date \_\_\_\_\_  
Factoring Polynomials 1

Fill in the crossnumber puzzle by factoring the polynomials below. The order in which you write the factors is important. One down and one across have been done as an example.

1			2			3	
		4			5		
	6			7			8
9			10			11	
		12					
	13			14			15
16			17			18	

**ACROSS**

1.  $16x^2 - 1$
2.  $6x^2 + x - 2$
3.  $9x^2 - 25$
4.  $x^2 - 16$
5.  $2x^2 + 9x - 18$
7.  $x^2 + 10x + 21$
9.  $4x^2 - 1$
10.  $4x^2 - 7x - 15$

11.  $3x^2 - 29x - 10$
12.  $9x^2 + 3x - 2$
13.  $x^2 - 81$
14.  $5x^2 - 29x - 6$
16.  $6x^2 - x - 2$
17.  $x^2 - 6x - 16$
18.  $3x^2 - 17x - 28$

**DOWN**

1.  $4x^2 - 27x - 7$
2.  $3x^2 - 10x - 8$
3.  $6x^2 + x - 15$
5.  $x^2 + 13x + 42$
6.  $2x^2 - 7x + 3$
7.  $x^2 - 9$
8.  $6x^2 - 25x - 9$
9.  $2x^2 + 21x + 10$
10.  $12x^2 + 11x - 5$
11.  $x^2 - 14x + 40$
12.  $3x^2 - 25x - 18$
13.  $2x^2 + 19x + 9$
14.  $5x^2 + 11x + 2$
15.  $x^2 - 49$