

14 Factor the following completely:

1. $2x^2 - 5x$
 $2x^2 - 5x = x(2x - 5)$

2. $x^2 + 2x + 1$
 $(x+1)(x+1) = (x+1)^2$

3. $2x^2 - 11x + 12$
 $(2x-3)(x-4)$

15 Factor the following quadratic by grouping:

1. $x^2 + 5x + 6$
 $x^2 + 5x + 6 = (x+2)(x+3)$

2. $x^2 - 7x + 12$
 $(x-3)(x-4)$

3. $x^2 + 11x + 28$
 $(x+4)(x+7)$

4. $x^2 - 13x + 40$
 $(x-5)(x-8)$

16 Factor the following quadratic by grouping:

1. $x^2 + 10x + 24$
 $(x+4)(x+6)$

2. $x^2 + 14x + 48$
 $(x+6)(x+8)$

3. $x^2 + 17x + 52$
 $(x+4)(x+13)$

4. $x^2 - 16x + 63$
 $(x-7)(x-9)$