

MTH 103E worksheet  
**Factoring Polynomials**

Name \_\_\_\_\_

Factor each polynomial completely.

1.  $x^2 + 6x + 8$

2.  $x^2 - 10x + 21$

3.  $x^2 - 2x - 35$

4.  $x^2 + 3x - 10$

5.  $x^2 + 12x + 32$

6.  $x^2 - 14x + 40$

7.  $x^2 - x - 90$

8.  $x^2 + 8x - 33$

9.  $x^2 + 10x + 24$

10.  $x^2 - 10x - 24$

11.  $x^2 - 25$

12.  $x^2 - 49$

13.  $4x^2 - 9$

14.  $16x^2 - 25$

15.  $x^2 + 8x + 16$

16.  $x^2 - 10x + 25$

17.  $x^2 + 2x + 1$

18.  $x^2 - 20x + 100$

19.  $2x^2 + 14x + 20$

20.  $3x^2 - 12x - 15$