

**Extension**  
**3.4**

# Factoring Expressions Assignment

Name \_\_\_\_\_ Period \_\_\_\_\_

Factor the expression using the GCF.

1.  $39 - 13$
2.  $5 + 10$
3.  $15 - 9$
  
4.  $45 + 30$
5.  $49 - 14$
6.  $96 - 30$
  
7.  $120 + 50$
8.  $3x + 9$
9.  $24x - 16$
  
10.  $6x - 45$
11.  $18x + 6$
12.  $17x + 51$
  
13.  $8x - 10y$
14.  $27x - 18y$
15.  $42x + 28y$
  
16. Which expression is not equivalent to  $12x - 18$ ?  
A.  $6(2x - 3)$       B.  $2(6x - 9)$       C.  $9(3x - 2)$       D.  $3(4x - 6)$
  
17. Write five expressions that are equivalent to  $20x + 100$ .
  
18. The length of a rectangle is 6 centimeters and its area is  $(6x + 18)$  square centimeters. Write an expression for the width.