

Day 4 – Solving by Factoring GCF

Name: _____

Practice Assignment

Date: _____ Block: _____

Factor each polynomial using a GCF:

1. $28x - 56$

2. $18x^2 - 6x$

3. $4x^2 - 4x$

4. $2m^2 - 8m$

5. $-9a^2 - a$

6. $35y^2 - 5y$

Solve the equations by factoring a GCF:

7. $3b^2 - 81b = 0$

8. $10x^2 + 40x = 0$

9. $8x^2 + 24x = 0$

10. $x^2 - 6x = 0$

11. $-30x^2 = -25x$

12. $-28x^2 = 14x$

Calculate the zeros of the following functions:

13. $f(x) = (x + 7)(x - 4)$

14. $f(x) = (x - 5)(x - 5)$

15. $f(x) = 3x(x + 4)$