

# Factoring Refresher

Quadratic equations can be solved by factoring as well.  
Use the problems below to refresh your factoring skills ☺

## SET 1: Greatest Common Factor

1.  $12k - 18$

3.  $14m^6 - 35m^3 - 7m^2$

\*\* When factoring, always look for a \_\_\_\_\_ first! \*\*

## SET 2: Trinomials ( $ax^2 + bx + c$ , where $a = 1$ )

5.  $x^2 + 14x + 45$

7.  $c^2 + 2c - 48$

9.  $a^2 + 12a + 36$

11.  $2k^2 - 16k - 40$

## SET 3: Trinomials ( $ax^2 + bx + c$ , where $a > 1$ )

13.  $2x^2 - 15x + 18$

15.  $3h^2 - 19h - 40$



17.  $6y^2 - 5y - 21$



19.  $9x^2 - 12x + 4$



**SET 4:** Difference of Squares

21.  $x^2 - 4$



23.  $9x^2 - 25y^4$



25.  $72r^6 - 2s^2$

