

## Factoring by GCF #2

Date: \_\_\_\_\_ Hour: \_\_\_\_\_

**Factor each completely.**

1)  $10x^4 - 35x^3 - 150x^2$

2)  $14v^3 - 38v^2 - 72v$

3)  $9x^4 - 60x^3 - 21x^2$

4)  $5k^4 + 6k^3 - 27k^2$

5)  $2p^3 - 11p^2 - 21p$

6)  $8n^4 - 4n^3 - 180n^2$

7)  $15r^3 - 35r^2 + 10r$

8)  $5m^3 - 42m^2 - 80m$

## Factoring by GCF #2

Date: \_\_\_\_\_ Hour: \_\_\_\_\_

**Factor each completely.**

1)  $10x^4 - 35x^3 - 150x^2$

$5x^2(2x + 5)(x - 6)$

2)  $14v^3 - 38v^2 - 72v$

$2v(7v + 9)(v - 4)$

3)  $9x^4 - 60x^3 - 21x^2$

$3x^2(3x + 1)(x - 7)$

4)  $5k^4 + 6k^3 - 27k^2$

$k^2(5k - 9)(k + 3)$

5)  $2p^3 - 11p^2 - 21p$

$p(2p + 3)(p - 7)$

6)  $8n^4 - 4n^3 - 180n^2$

$4n^2(2n + 9)(n - 5)$

7)  $15r^3 - 35r^2 + 10r$

$5r(3r - 1)(r - 2)$

8)  $5m^3 - 42m^2 - 80m$

$m(5m + 8)(m - 10)$