Name: _____   Hour: _____   Date: _____

# **More Factoring Out the GCF Practice!**

Find the GCF and use it to factor the following polynomials.

| | |
|---|---|
| $4x + 12$<br><br>GCF:<br><br>Factored Form: | $20a^3b + 15b^4$<br><br>GCF:<br><br>Factored Form: |
| $24x^3 + 2x^2$<br><br>GCF:<br><br>Factored Form: | $9x^6 + 3x^4 + 3x$<br><br>GCF:<br><br>Factored Form: |
| $6x^7y^4 - 3y^3$<br><br>GCF:<br><br>Factored Form: | $4x^4 + 2x^3 + 8x$<br><br>GCF:<br><br>Factored Form: |
| $24x^7 + 6x^6 - 12x^5 - 3x^4$<br><br>GCF:<br><br>Factored Form: | $3x^3 + 6x^2y - 30x + 15y$<br><br>GCF:<br><br>Factored Form: |

After you finish these last two see if you notice anything about their factored forms...

| | |
|---|---|
| $x^3 + 4x^2 - 12x$<br><br>GCF:<br><br>Factored Form: | $2x^3 + 10x^2 + 12x$<br><br>GCF:<br><br>Factored Form: |

# More Factoring Out the GCF Practice!