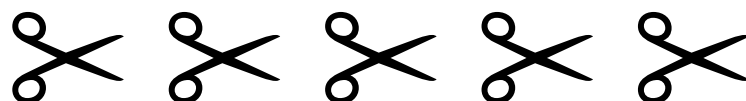


**FREEBIE**

*Cut and Glue*

# **FACTORING POLYNOMIALS**



$$x^2 - x - 6 = \boxed{(x+2)} \boxed{(x-3)}$$

*Cut and Glue*  
**FACTORING  
POLYNOMIALS**

Published by Math to the Core

A full version with 4 additional worksheets is  
available through,

[www.MathtotheCore.com](http://www.MathtotheCore.com)

Please contact me if you have any questions, comments, or  
suggestions at  
[e.james@me.com](mailto:e.james@me.com)

Copyright © 2012 by Elizabeth James. All rights reserved.

The purchase of this resource entitles an individual teacher  
or parent to reproduce pages for use in a classroom or  
home. Reproduction for use in an entire school or school  
system or for commercial use is prohibited.

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

**Cut out the factors below. Factor the polynomials and paste the factors into the correct space.**

Form A

1.  $x^2 + x - 2$

2.  $x^2 + 7x + 12$

3.  $x^2 - 4x + 3$

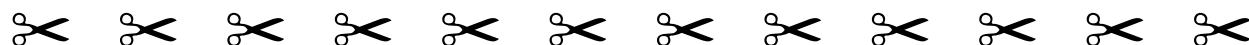
4.  $x^2 + 3x + 2$

5.  $x^2 + 5x + 4$

6.  $x^2 - 6x + 8$

7.  $x^2 - 5x + 6$

8.  $x^2 - x - 12$



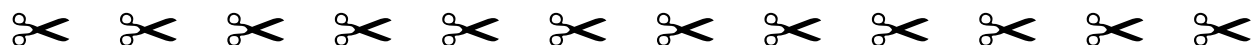
|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| (x+1) | (x-1) | (x+2) | (x-2) | (x+3) | (x-3) | (x+4) | (x-4) |
| (x+1) | (x-1) | (x+2) | (x-2) | (x+3) | (x-3) | (x+4) | (x-4) |

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

**Cut out the factors below. Factor the polynomials and paste the factors into the correct space.**

Form A

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| 1. $x^2 + x - 2$<br><br>$(x+2)(x-1)$  | 2. $x^2 + 7x + 12$<br><br>$(x+3)(x+4)$ |
| 3. $x^2 - 4x + 3$<br><br>$(x-3)(x-1)$ | 4. $x^2 + 3x + 2$<br><br>$(x+2)(x+1)$  |
| 5. $x^2 + 5x + 4$<br><br>$(x+4)(x+1)$ | 6. $x^2 - 6x + 8$<br><br>$(x-2)(x-4)$  |
| 7. $x^2 - 5x + 6$<br><br>$(x-3)(x-2)$ | 8. $x^2 - x - 12$<br><br>$(x+3)(x-4)$  |



|         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|
| $(x+1)$ | $(x-1)$ | $(x+2)$ | $(x-2)$ | $(x+3)$ | $(x-3)$ | $(x+4)$ | $(x-4)$ |
| $(x+1)$ | $(x-1)$ | $(x+2)$ | $(x-2)$ | $(x+3)$ | $(x-3)$ | $(x+4)$ | $(x-4)$ |