

TERMS AND SYMBOLS  
Factoring

Name \_\_\_\_\_

Partner Name \_\_\_\_\_

The following terms and symbols have been introduced in this unit.  
Write the correct term or symbol on the line to the left of the matching definition.  
Give a written example on the line to the right of the matching definition.

product property of zero      rational expression      quadratic equation      prime factor  
common monomial factor      difference of two squares      perfect square trinomial

<u>Term or Symbol</u>	<u>Definition</u>	<u>Example</u>
_____	number or expression divisible only by itself and one	_____
_____	single term factor of a polynomial	_____
_____	polynomial with binomial factors $(a+b)^2$ or $(a-b)^2$	_____
_____	polynomial with binomial factors $(a+b)(a-b)$	_____
_____	equation of form $ax^2 + bx + c = 0$	_____
_____	If product $a \cdot b = 0$ , then either $a=0$ or $b=0$ .	_____

REPRESENTATIONS

Factor each expression completely.

- 16 \_\_\_\_\_
- $B^2 + 16B$  \_\_\_\_\_
- $B^2 + 10B + 16$  \_\_\_\_\_
- $B^2 - 6B + 16$  \_\_\_\_\_
- $B^2 + 6B + 16$  \_\_\_\_\_
- $B^2 - 10B + 16$  \_\_\_\_\_
- $B^2 + 8B + 16$  \_\_\_\_\_
- $B^2 + 16$  \_\_\_\_\_
- $B^2 - 8B + 16$  \_\_\_\_\_
- $B^2 - 16$  \_\_\_\_\_