

Name: \_\_\_\_\_

- 1 The expression  $x^2 - 16$  is equivalent to  
fall0706ia (1)  $(x+2)(x-8)$  (3)  $(x+4)(x-4)$   
(2)  $(x-2)(x+8)$  (4)  $(x+8)(x-8)$
- 2 Which expression is equivalent to  $9x^2 - 16$ ?  
080902ia (1)  $(3x+4)(3x-4)$  (3)  $(3x+8)(3x-8)$   
(2)  $(3x-4)(3x-4)$  (4)  $(3x-8)(3x-8)$
- 3 The expression  $9x^2 - 100$  is equivalent to  
010909ia (1)  $(9x-10)(x+10)$  (3)  $(3x-100)(3x-1)$   
(2)  $(3x-10)(3x+10)$  (4)  $(9x-100)(x+1)$
- 4 Factored, the expression  $16x^2 - 25y^2$  is equivalent to  
060804ia (1)  $(4x-5y)(4x+5y)$  (3)  $(8x-5y)(8x+5y)$   
(2)  $(4x-5y)(4x-5y)$  (4)  $(8x-5y)(8x-5y)$
- 5 Factor completely:  $4x^3 - 36x$   
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