

## Difference of Squares

Due:

Name:

Use the difference of squares method to factor each problem, then check your work.

70. What is the difference of squares method?

$$a^2 - b^2 = (a+b)(a-b)$$

71.  $25x^2 - y^2$

$$(5x - y)(5x + y)$$

72.  $x^2 - 36$

$$(x - 6)(x + 6)$$

73.  $4x^2 - 81$

$$(2x - 9)(2x + 9)$$

74.  $16x^2 - 9$

$$(4x - 3)(4x + 3)$$

75.  $49y^2 - 16x^2$

$$(7y - 4x)(7y + 4x)$$

76.  $25x^2 - 9$

$$(5x - 3)(5x + 3)$$

77.  $9x^2 - 81x$

$$9x(x - 9)$$

78.  $16x^2 - 64y^2$

$$16(x - 2y)(x + 2y)$$

79.  $-3x^2 + 12$

$$-3(x - 2)(x + 2)$$

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**Paul Linsley, Coralie Roll**



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