

## Algebraic Expressions &amp; Identities

## Topic: Identities

Name: Date: 

Write the following squares of binomials as trinomials:

1.  $(x + 2)^2$

2.  $(8a + 3b)^2$

3.  $(2m + 1)^2$

4.  $(9a + 1/6)^2$

5.  $(x + x^2/2)^2$

6.  $(x/4 - y/3)^2$

7.  $(3x - 1/3x)^2$

8.  $(x/y - y/x)^2$

9.  $(3a/2 - 5b/4)^2$

10.  $(a^2b - bc^2)^2$

$81a^2 + 3a + 1/36$

$4m^2 + 4m + 1$

$x^2 + x^3 + 1/4x^4$

$x^2/y^2 - 2 + y^2/x^2$

$1/16x^2 - xy/6 + 1/9y^2$

$x^2 + 4x + 4$

$9/4a^2 - 15/4ab + 25/16b^2$

$a^4b^2 - 2a^2b^2c^2 + b^2c^4$

$9x^2 - 2 + 1/9x^2$

$64a^2 + 48ab + 9b^2$

