

Name:

Result:

**1.***(3 points)*

Solve the following equations:

(a)  $3x^2 = 2x$

(b)  $16x^2 - 9 = 0$

(c)  $x^2 - x = 6$

(d)  $x^2 + 12 = 8x$

$$(e) 2x^2 + x - 6 = 0$$

$$(f) 3x^2 + 2x + 1 = 0$$

$$(g) x - 3\sqrt{x + 2} = 8$$

$$(h) (x^2 + 2x)^2 - 2x^2 - 4x = 3$$