Name:

Group 1

Result:

1. (10 points) Solve

   (a) $4x^2 - 1 = 0$

   (b) $2x^2 + x + 3 = 0$

   (c) $2x^2 + 6 = 7x$

   (d) $3x^2 + 5 = 2x$

   (e) $2x^2 = 5x - 1$

(f) $x^4 - x^2 - 6 = 0$

(g) $4^{x+1} - 33 \cdot 2^x + 8 = 0$

(h) $x - \sqrt{x} - 3 = 0$

(i) $\left(\dfrac{1}{x+1}\right)^2 - \dfrac{4}{x+1} - 5 = 0$

(j) $9^{x+1} = 10 \cdot 3^x - 1$