

Name:

Group 2

Result:

1. (10 points) Solve

(a) $9x^2 - 1 = 0$

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

(c) $2x^2 + 5 = 7x$

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

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

$$(f) \ x^4 - 4x^2 - 5 = 0$$

$$(g) \ 2^{2x+3} - 33 \cdot 2^x + 4 = 0$$

$$(h) \ x - \sqrt{x} - 4 = 0$$

$$(i) \ \left(\frac{1}{x+1}\right)^2 - \frac{1}{x+1} - 6 = 0$$

$$(j) \ 25^{x+1} = 26 \cdot 5^x - 1$$