What are the solutions of the quadratic equation $4x^2 - 8x - 12 = 0$?

A) $x = -1$ and $x = -3$

B) $x = -1$ and $x = 3$

C) $x = 1$ and $x = -3$

D) $x = 1$ and $x = 3$

GCF $4(1x^2 - 2x - 3)$

A·C: -3, b: -2, -3, 1

$4(x-3)(x+1)$ Factored form

$x - 3 = 0$ $\quad x + 1 = 0$

$x = 3$ $\quad x = -1$