

Adrian Galka - 1901402

11:00

11/11/2020

ACHA4000 / ACMA4008

Q3.

a)

$$12x^2 = 31x + 15$$

$$-12x^2 + 31x + 15 = 0$$

$$x = \frac{-31 \pm \sqrt{(31)^2 - 4(-12)(+15)}}{2(-12)}$$

$$x = \frac{+31 \pm \sqrt{961 + 720}}{-24}$$

$$x = \frac{+31 \pm \sqrt{1681}}{-24}$$

$$x = \frac{-5 + 41}{-24}$$

$$x = -1.5$$

$$x = \frac{-5 - 41}{-24}$$

$$x = 1.92$$