

CHRISTOPHER BECTON (2021887) ACDA4008

Q3

$$2x + 4y = 16 \quad (1)$$

$$3x + 2y = 7 \quad (2)$$

$$4x + 8y = 32 \quad (1) \times 2$$

$$- 12x + 8y = 28 \quad (2) \times 4$$

$$= 8x = -4$$

$$\frac{-4}{8x} = -0.5$$

$$x = 0.5$$

$$2(0.5) + 4y = 16$$

$$- 1 + 4y = 16$$

$$4y = 16 - 1$$

$$4y = 15$$

$$\frac{15}{4} = 3.75$$

$$y = 3.75$$

$$2 \times 0.5 + 4 \times 3.75 =$$

$$16$$

$$4.25$$

$$3(0.5) + 2y = 7$$

$$1.5 + 2y = 7$$

$$2y = 7 - 1.5$$