

Q 5(a)

Adam buys 3 chocolate cupcakes and 5 plain vanilla cupcakes. He pays \$19. A chocolate cupcake is \$1 more than a vanilla cupcake.

Form 2 simultaneous equations and solve them to find the cost of a chocolate cupcake.

- (b) Kelly answered 25 multichoice questions. Each correct question was worth 5 marks. Each incorrect question was worth -2 marks. Kelly scored 83. How many questions did Kelly get wrong?

One equation could be

$$5C - 2I = 83, \text{ where } C = \text{correct}$$

$I = \text{incorrect.}$

Write another equation from the information given to help calculate 'I'.