

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

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2. (a) Solve the pair of simultaneous equations  
 $3x + 2y = 13$   
 $x - 2y = -1$ . (3 marks)

(b) Factorise completely  
(i)  $x^2 - 16$  (1 mark)  
(ii)  $2x^2 - 3x + 8x - 12$ . (2 marks)

(c) Tickets for a football match are sold at \$30 for EACH adult and \$15 for EACH child. A company bought 28 tickets.  
(i) If  $x$  of these tickets were for adults, write in terms of  $x$ ,  
a) the number of tickets for children. (1 mark)  
b) the amount spent on tickets for adults. (1 mark)  
c) the amount spent on tickets for children. (1 mark)  
(ii) Show that the TOTAL amount spent on the 28 tickets is  $\$15x + 420$ . (1 mark)  
(iii) Given that the cost of the 28 tickets was \$660, calculate the number of adult tickets bought by the company. (2 marks)  
Total 12 marks

3. (a) A universal set,  $U$ , is defined as:  
 $U = \{51, 52, 53, 54, 55, 56, 57, 58, 59\}$   
 $A$  and  $B$  are subsets of  $U$ , such that:  
 $A = \{\text{odd numbers}\}$   
 $B = \{\text{prime numbers}\}$   
(i) List the members of the set  $A$ . (1 mark)  
(ii) List the members of the set  $B$ . (1 mark)  
(iii) Draw a Venn diagram to represent the sets  $A$ ,  $B$  and  $U$ . (3 marks)

(b) (i) Using a pair of compasses, a ruler and a pencil  
a) construct a triangle  $CDE$  in which  $DE = 10$  cm,  $DC = 8$  cm and  $\angle CDE = 45^\circ$ . (4 marks)  
b) construct a line,  $CF$ , perpendicular to  $DE$  such that  $F$  lies on  $DE$ . (2 marks)  
(ii) Using a protractor, measure and state the size of  $\angle DCE$ . (1 mark)  
Total 12 marks

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