10	$f(x) = 2x^3 - px^2 - 13x - q$	
	When $f(x)$ is divided by $(x-2)$ the remainder is -20	
	Given that $(x-3)$ is a factor of $f(x)$	
	(a) find the value of p and the value of q	
		(7)
	(b) Hence use algebra to solve the equation $f(x) = 0$	(5)

DO NOT WRITE IN THIS AREA

Question 10 continued				



DO NOT WRITE IN THIS AREA

⊗ŏ ⊗
-XXXX
-0000
XSX
- CX X - KX
XXXXX
-XX
\times
× ni×
$\times \pm \times$
$\times \times $
$\times = \times$
<u>Un</u>

-0000000
XXXXX
\times
$-\times\times\times\times\times$
->>>>>
-00000
-600000

5
D
DO
DO
100
DO 1
NOG
NOG
DOM
DO NOT
TONOT
DONOT
DONOT
DO NOT W
DO NOT WE
DO NOT WR
DO NOT W
DO NOT WR
DO NOT WRIT
DO NOT WRITI
DO NOT WRITE
DO NOT WRITE!
DO NOT WRITE!
DO NOT WRITE IN
DO NOT WRITE IN
DO NOT WRITE IN
DO NOT WRITE IN T
DO NOT WRITE IN TH
DO NOT WRITE IN THE
DO NOT WRITE IN THIS.
DO NOT WRITE IN THIS.
DO NOT WRITE IN THIS A
DO NOT WRITE IN THIS A
DO NOT WRITE IN THIS AR
DO NOT WRITE IN THIS AR
DO NOT WRITE IN THIS ARE
DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AR

Question 10 continued					

DO NOT WRITE IN THIS AREA

Question 10 continued				
	(Total for Question 10 is 12 marks)			

