Start here for Question Number: 3

$$=\left(\frac{-2+12}{2}, \frac{-4+6}{2}\right)$$

$$=\left(\frac{10}{2} \ / \ \frac{2}{2}\right)$$

11) MAMMAN (XISA)

$$M = \frac{1}{2} - \frac{1}{2}$$
 $B(12,6) \subset (6,8)$

: gradient of BC is
$$-\frac{1}{3}$$

1V) 460M

$$M = \frac{y_2 - y_1}{x_2 - x_1}$$
 $N(2,2) M(5,1)$

$$=\frac{-1}{3}$$

$$M = -\frac{1}{3}$$

$$4 = -\frac{1}{3}x + \frac{4}{3}$$

v) d=
$$\sqrt{(x_2-x_1)^2+(y_2-y_1)^2}$$
 $8(12,6)(6,8)$

$$= \sqrt{(-6)^2 + (2)^2}$$

Additional writing space on back page.

=

bi) y= ln x

y= ln x

11) $\frac{h}{2}$ (yo+y₁)+2(y₂) +4(y₃+y₅) $\int_{1}^{3} \ln x dx$. $\left[\frac{1}{x}\right]_{1}^{3}$

[=]-[+]

- - - - - - 3

iii) it is less than sorry can't justify:

You may ask for an extra Writing Booklet if you need more space to answer question 3.