Start here for Question Number: 3

a) 1) 
$$\frac{21+72}{2}$$
,  $\frac{91+92}{2}$   
 $\frac{2}{2}$ ,  $\frac{2}{2}$ ,  $\frac{42}{2}$   
 $\frac{2}{2}$ ,  $\frac{42}{2}$ ,  $\frac{42}{2$ 

11) 
$$\frac{y_2 - y_1}{x_2 - x_1} = gradient$$
 $\frac{x_2 - x_1}{x_1 - x_1}$ 
 $\frac{x_2 + y_2}{x_1 - y_1}$ 
 $\frac{x_1 + y_1}{x_2 + y_2}$ 
 $\frac{x_2 + y_2}{x_1 - y_1}$ 
 $\frac{(8 - 6)}{(6 - 12)} = -\frac{1}{3}$ 
 $\frac{(6 - 12)}{3}$ 

gradient can't be negative.

iii) mN is common

$$= \sqrt{(12-6)^{2} + (6-8)^{2}}$$

$$= \sqrt{(36) + (4)}$$

$$= \sqrt{40}$$

$$= \sqrt{40}$$

$$\sqrt{(36) + (4)}$$

$$= \sqrt{40}$$

$$\sqrt{(32+b^{2})}$$

$$3(-2) + -1(-4) + 4(-16) = -26$$

$$\sqrt{(3^{2} + (-1)^{2})}$$

$$= -\frac{1}{10} = -38$$

$$= -38$$

V) / (x2-x1)+(y2-y1)2



-1012

$$\frac{2}{3} \times 1.785 = 119$$

of 1.098 bucause In 3 -In 1 = 1.098.

Additional writing space on back page.

**Band 1/2** 

**Question 3** 

