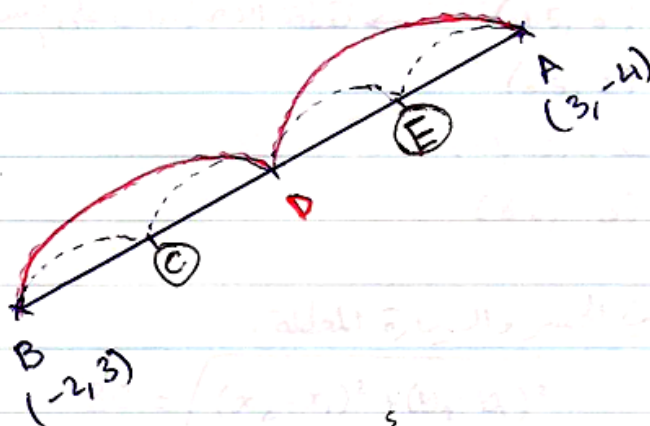


ANSWER ②

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$$x_2 = \frac{\frac{1}{2} + -2}{2} = \frac{-3}{4}$$

$$y_2 = \frac{-\frac{1}{2} + 3}{2} = \frac{5}{4}$$

$$\therefore E = \left(\frac{-3}{4}, \frac{5}{4} \right)$$

لإيجاد (x_3, y_3) C

$$x_3 = \frac{3 + \frac{1}{2}}{2} = \frac{7}{4}$$

$$y_3 = \frac{-4 - \frac{1}{2}}{2} = \frac{-9}{4}$$

$$\therefore C = \left(\frac{7}{4}, \frac{-9}{4} \right)$$

انتهى الجزء ②

الجزء ①
لإيجاد نقطة D

نقطة A $D = (x, y)$

$$x = \frac{mx_2 + nx_1}{m+n}$$

$$= \frac{1(-2) + 1(3)}{2} = \frac{1}{2}$$

$$y = \frac{my_2 + ny_1}{m+n}$$

$$= \frac{1(3) + 1(-4)}{2} = \frac{-1}{2}$$

$D = \left(\frac{1}{2}, -\frac{1}{2} \right)$
سوف نأخذ بالمتوسط بين A و D

نقطة E $E = (x_2, y_2)$

part ①