

D.

$$\begin{aligned}T(n) &= T\left(\frac{7}{8}n\right) + cn^2 \\&= T\left(\left(\frac{7}{8}\right)^2 n\right) + cn^2 + c\left(\frac{7}{8}n\right)^2\end{aligned}$$

迭代 $p > k \dots$

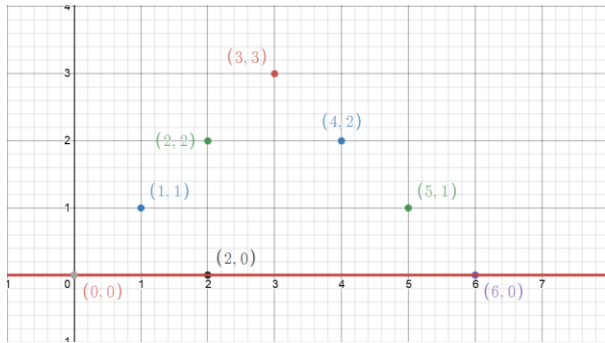
$$= c' + cn^2 \frac{1 - \left(\frac{7}{8}\right)^{4(p+1)}}{\frac{1}{8}}$$

$$\leq c' + cn^2 \frac{1}{\frac{1}{8}} = c''n^2$$

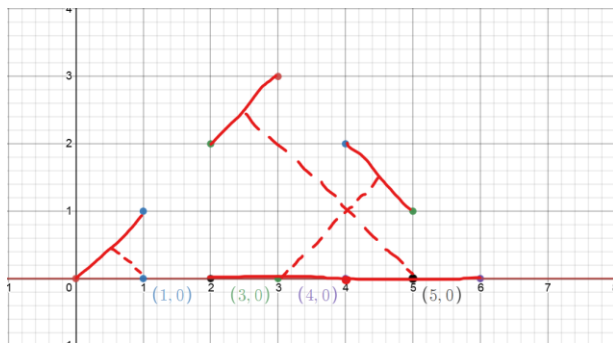
$$T(n) = O(n^2)$$

E.

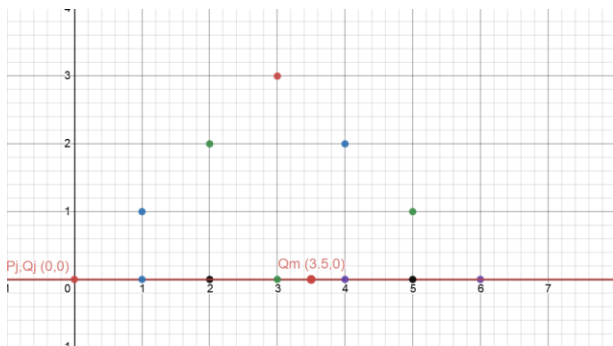
步驟 1



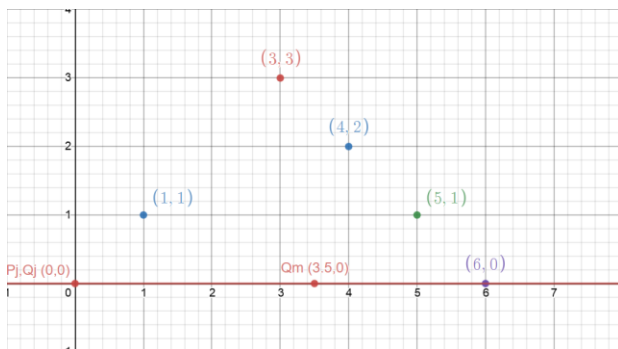
步驟 2,3



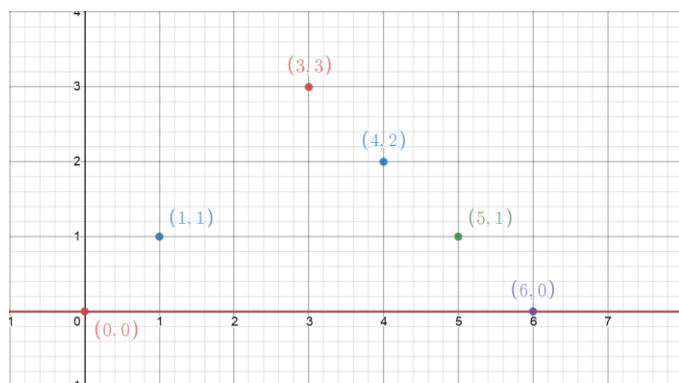
步驟 4,5



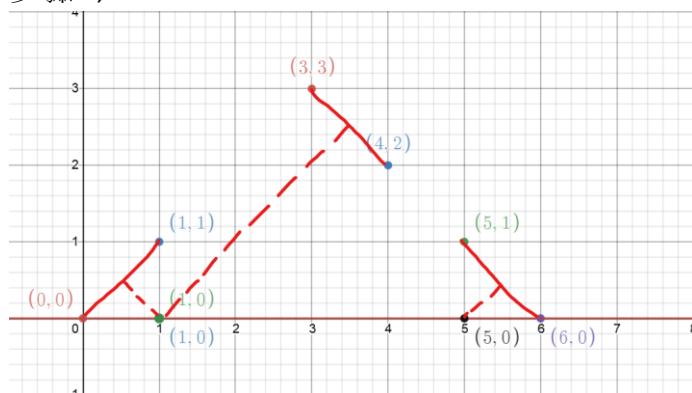
步驟 6



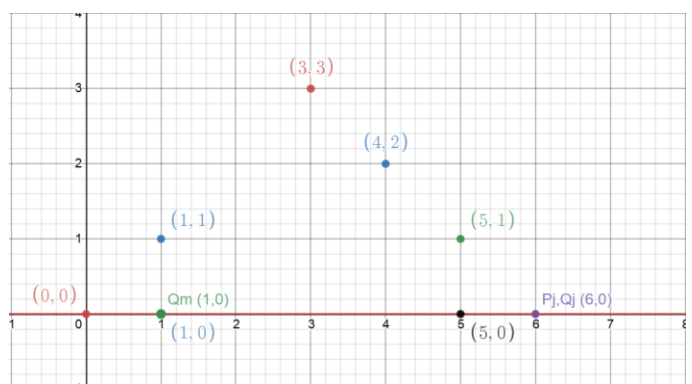
重新開始步驟 1



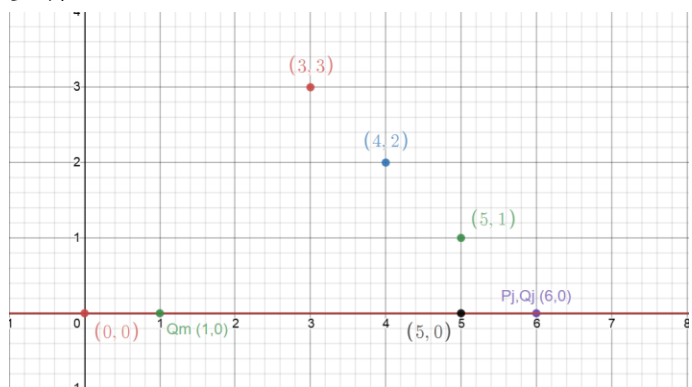
步驟 2,3



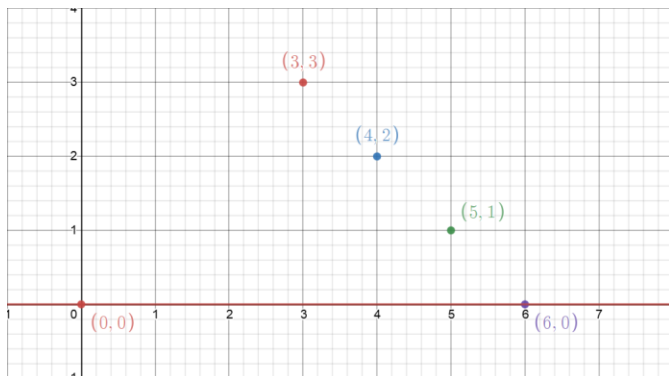
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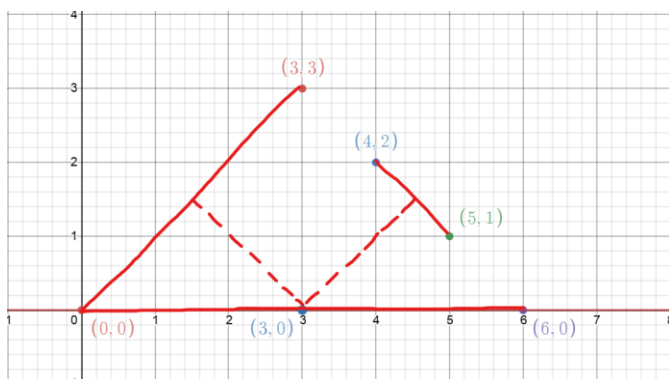
步驟 6



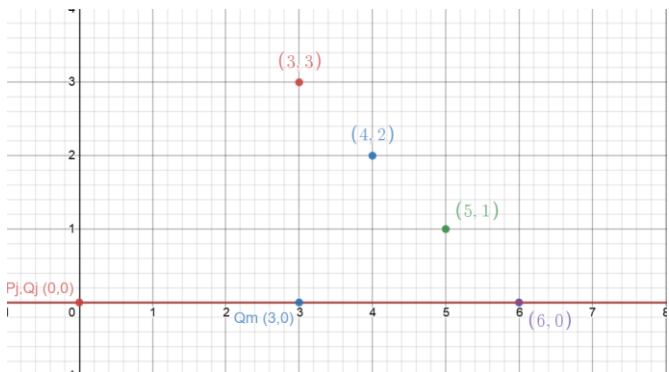
重新開始步驟 1



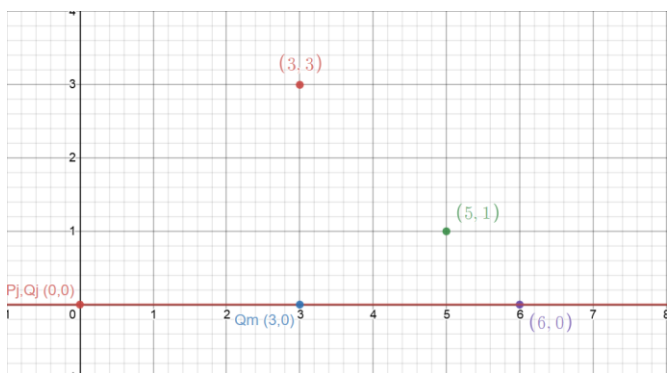
步驟 2,3



步驟 4,5

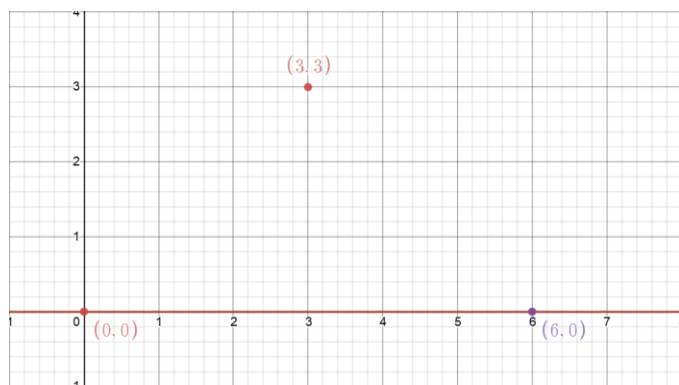


步驟 6



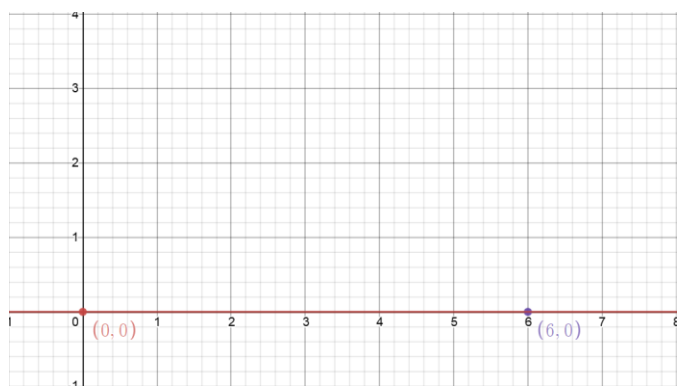
重新開始步驟 1

這次會刪除(5,1)



重新開始步驟一

這次會刪除(3,3)



重新開始步驟一

這次只剩兩個點，可得到圓

