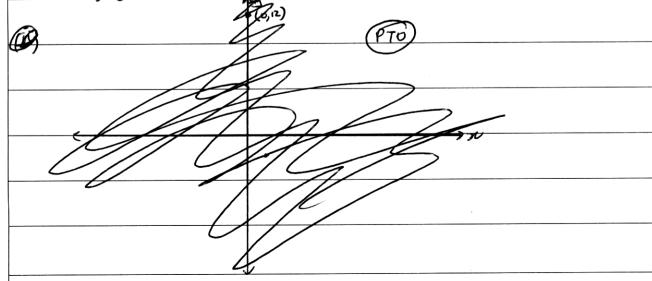


Pange: 0=4=2

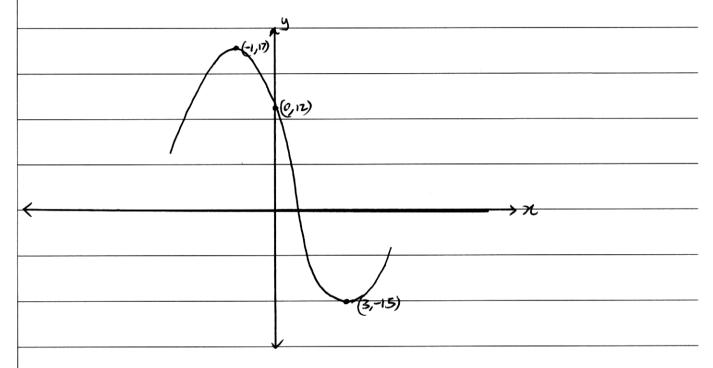
$$f(x) = x^3 - 3x^2 - 9x + C$$

when 
$$x = 0$$
,  $f_{\alpha} = 12$ 

 $f(x) = x^3 - 3x^2 - 9x + 12$ .







$$x = 3, f''(x) > 0 : m$$

$$E) V= \pi \int_{0}^{2} (\stackrel{\checkmark}{=})^{2} dn = \pi \int_{0}^{2} (\frac{2^{5}}{16}) dn = \pi$$

$$= \pi \left[ \frac{1}{144} \times^{9} \right]_{0}^{2}$$

$$= \pi \left[ (\frac{2^{7}}{144}) - (0) \right]$$

$$= \pi \left( \frac{35}{9} \right)$$

$$= 3\frac{5}{9} \pi 0^{3}$$