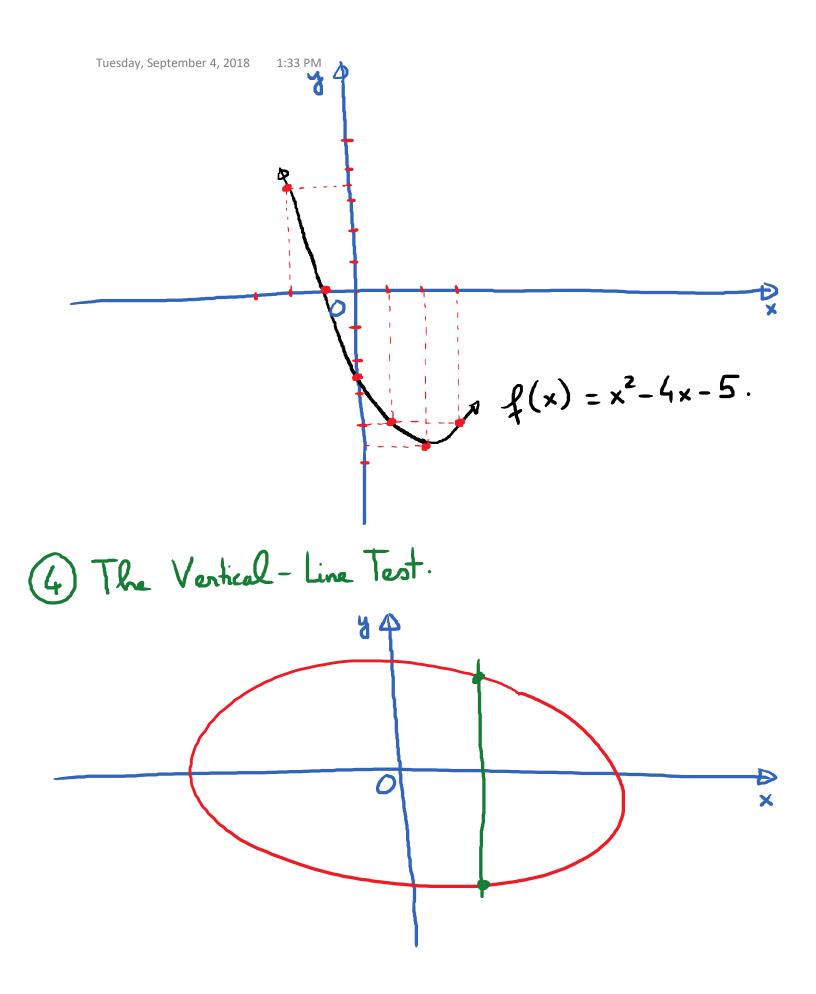
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Find
$$h(\underline{1}) = x^2 - 3x + (\underline{1})^2 - 3(\underline{1})$$

Find $h(\underline{1}) = x^2 - 3x + (\underline{1})^2 - 3(\underline{1})$
Find $h(\underline{1}) = x^2 - 3x + (\underline{1})^2 + 3(\underline{1}) = -2$
 $h(\underline{1}) = (\underline{1})^2 - 3(\underline{1}) = -2$
 $h(-\underline{1}) = (-\underline{1})^2 - 3(-\underline{1}) = -2$
 $h(2a) = (2a)^2 - 3(2a) = -2$
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 $h(2a)$

(3) Graphs of Functions To graph a function, we find the ordered pairs (x, f(x)), then we plot them, and shetch the graph through the points E.g. Graph $f(x) = x^2 - 4x - 5$. $f(x) = x^2 - 4x - 5$ X → (- 2, 7) 7 -2 D - 1 → (0, -5) - 5 0 → (1, - 8) - 8 1 → (2,-9) -9 2 • (3, -8) - 8 2



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The Vertical - Line Test If we can draw a vertical line which intersects a graph more than once, then the graph is NOT the graph of a function. 0 NOT graph of function. Arraph of a Function

