NOTES

Review 10.2E and 10.5E

GRAPH AND IDENTIFY

1. Shape
2. AS
3. Vertex
4. x int's
5. y int's
6. Create a supporting table of values

(A) $f(x) = 2(x-1)^2 - 2$

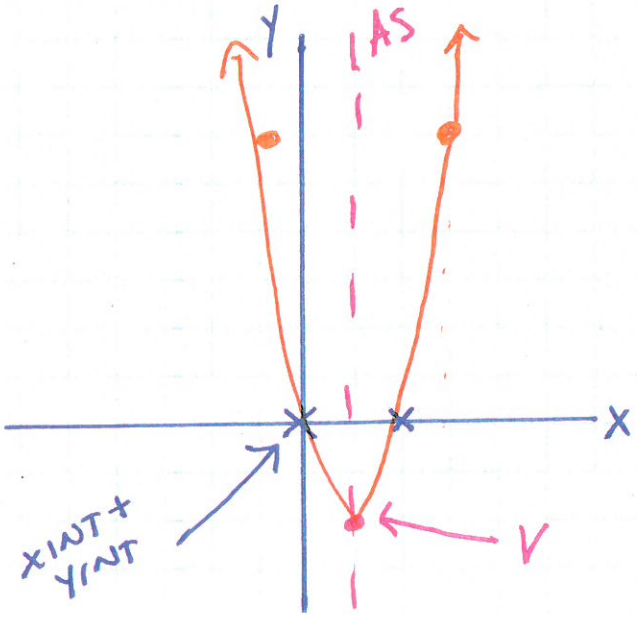
Shape opens up b/c $A = 2$

V

x	-1	0	1	2	3
y	6	0	-2	0	6

V (1, -2) AS $x = 1$

y INT (0, 0) x INT (0, 0) (2, 0)



(B) $f(x) = -(x+1)(x-3)$

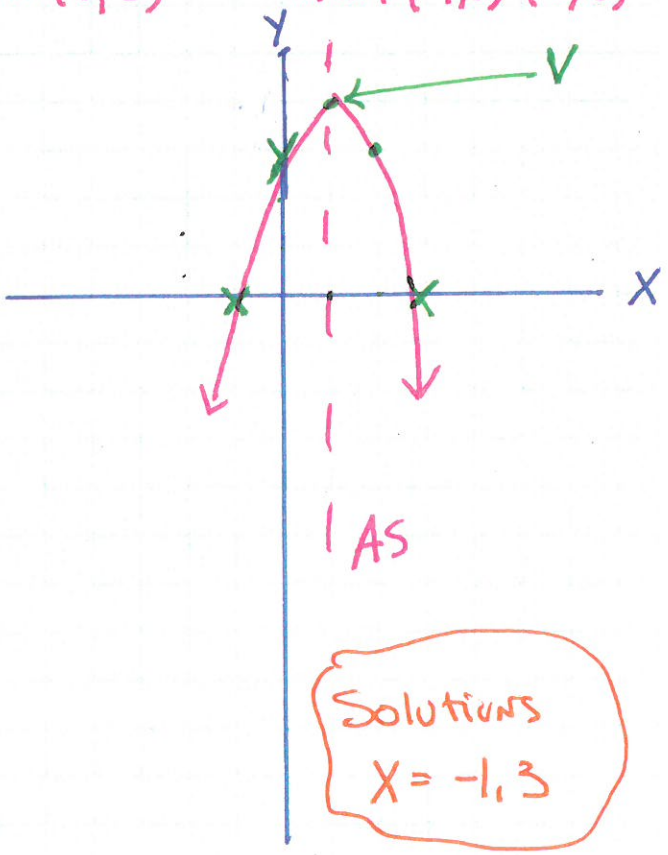
Shape opens down b/c $A = -1$

V

x	-1	0	1	2	3
y	0	3	4	3	0

V (1, 4) AS $x = 1$

y int (0, 3) x INT (-1, 0) (3, 0)



Solutions
$x = -1, 3$