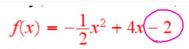
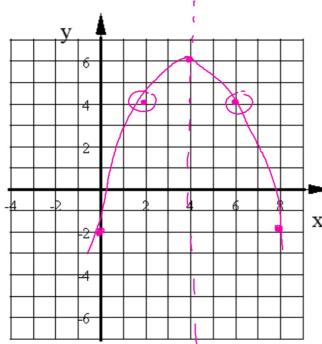
1. Graph this quadratic using 5 points.





- X=4 u=6

- 2. A business wants to maximize their daily income. The following equation gives the Income (*I*) as a function of the number of hours (*h*) the store is open.  $I(h) = -3.5h^2 + 73.5h + 950$
- a) Find the number of hours the store should be open in order to maximize their income.
- b) Find the maximum income.

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-73.5 2(-3.5) 10.5 x=h