| | 3 | | | | |
|-------|---|-----------------|--|------------|--|
| Name: | | ille Mariana | | 70. 70. | |

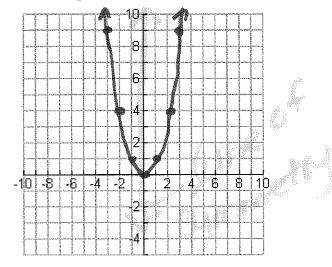
What Do I Look Like?

Quadra

Complete the table below. 1 - 12

| | (-2/ | |
|----|-----------|--------|
| X | $y = x^2$ | (x,y) |
| -3 | 9 | (-3,9) |
| -2 | | (-5,4) |
| -1 | | (-1,1) |
| 0 | 0 | (0) 0) |
| 1 | | (1,1) |
| 2 | | (2,41) |
| 2 | 0 | 17 4 |

Graph the function $y = x^2$ on the graph below using the table to the left.



3. Describe the graph. Looks Itle a 'U' on arch -Same y-value on each side of y-axis

4. Describe the symmetry of the graph.
When you so lot the shope
it's identical; the of symmetry
the years.

5. Why aren't any y-values negative?

Because the x-value was squared De7 X 602 = 002

nes x nes = pos

This graph is called a "parabola". All quadratic functions have a shape similar to this. The focus of the next unit will be on quadratic functions and their graphs.

File this sheet as an example in your notes.