



Tell me about the Graph:



**On a sheet of paper answer the following questions:**

Which way does the graph open?

7. $(y - 3)^{2 }= 2(x + 4)$ 8. $(x + 2)^{2 }= -4(y - 5)$

Use discriminant to decide what type of solutions the following quadratic function has.

1). x2  –3x - 4 =0 2). 3x2 – 2x + 7 =0

There are \_\_\_\_\_\_\_\_\_\_solutions. There are \_\_\_\_\_\_\_\_\_\_solutions

3). 9x2 – 12x +4 =0 4). x2 +x +2 =0

There are \_\_\_\_\_\_\_\_\_\_solutions There are \_\_\_\_\_\_\_\_\_\_solutions