Group: \_\_\_\_\_

Present:

1. Graph  $Y_1 = |x|$  in a square window.

2. Use algebra (complete the square) to determine the transformations you should apply to the graph of  $y = x^2$  to transform it to the graph of  $y = 2x^2 - 12x + 19$ .

Transformations:

Check your algebra by graphing!