1. Here are 4 equations of quadratic functions and 4 sketches of the graphs of quadratic functions.

A.
$$y = x^2 - 6x + 8$$

B.
$$y = (x-6)(x+8)$$

C.
$$y = (x-6)^2 + 8$$

D.
$$y = -(x+8)(x-6)$$

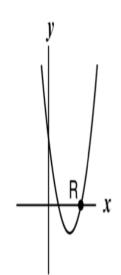
1.



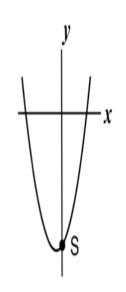
2.



3.



4.



a. Match the equation to its graph and explain your decision.

Equation A *matches* Graph, because