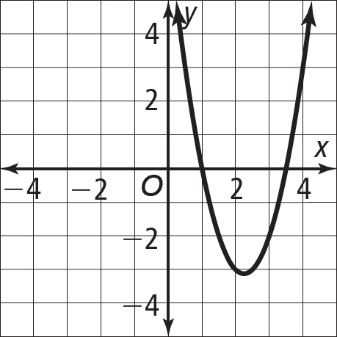
**Topic 9 Wednesday Review**

**1.** Given the function write the axis of symmetry and the vertex.

**A**  **B**



**2.** Which of the statement(s) about the graph shown  
are true? Select all that apply.

**A** An equation for the graph is .

**B** The function has two roots.

**C** The solutions of the related quadratic equation are  
 and

**D** The related quadratic equation has two solutions.

**3.** Find the discriminant for the following quadratic equations. State how many solutions the equation has.

**a.**  **b.**

**c.**  **d.**

**4.** Use the quadratic formula to solve the following equations

**a**. **b**.