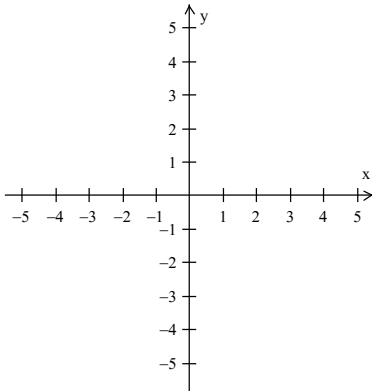
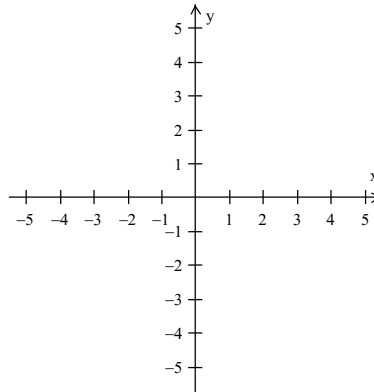


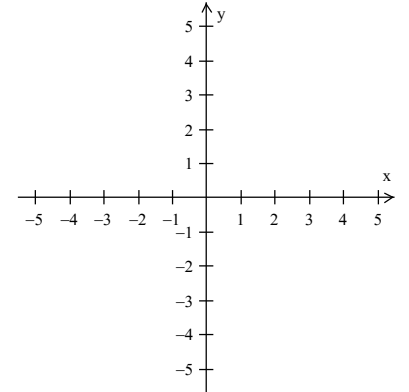
### Grow Your Graph Knowledge With Transformations



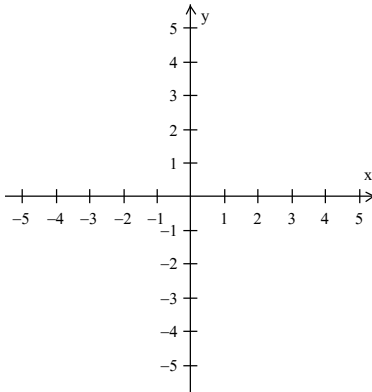
Graph:  $y = |x|$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



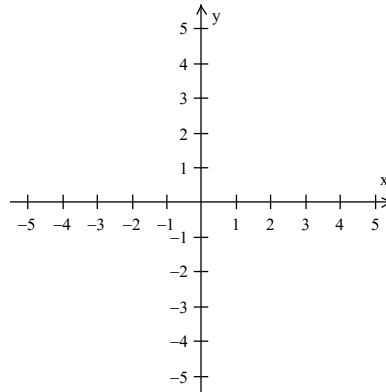
Graph:  $y = |x| - 2$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



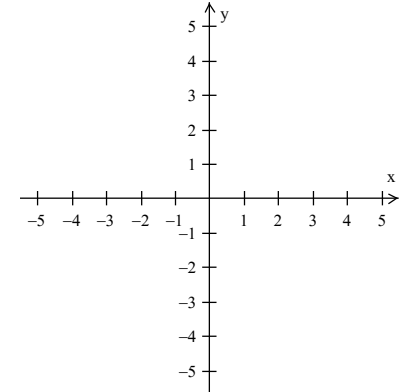
Graph:  $y = |x| + 3$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



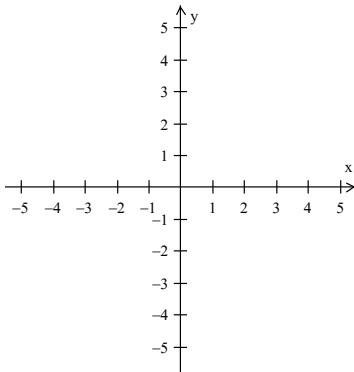
Graph:  $y = |x - 2|$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



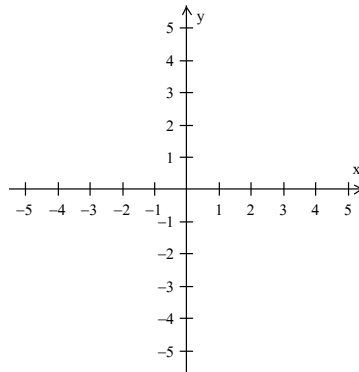
Graph:  $y = |x + 1|$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



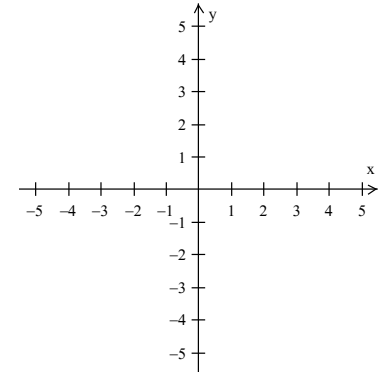
Graph:  $y = |x - 3|$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



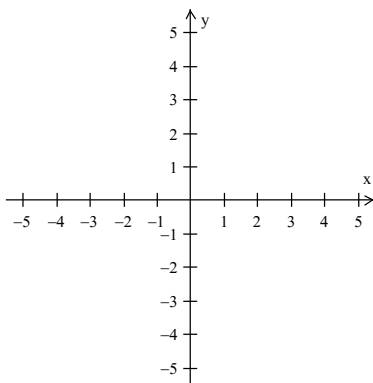
Graph:  $y = |x - 2| + 3$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



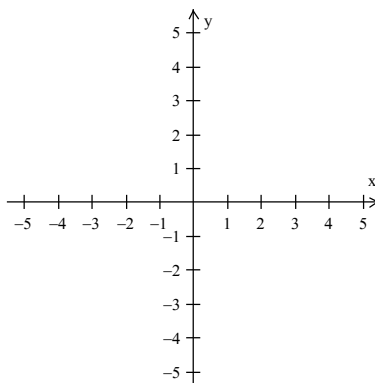
Graph:  $y = |x + 1| - 3$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



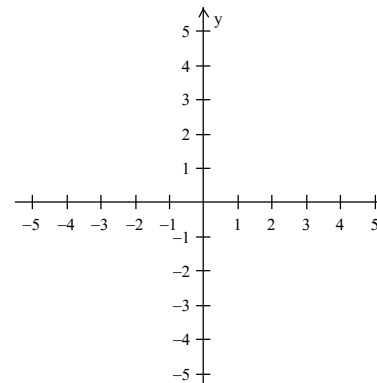
Graph:  $y = |x - 4| + 1$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



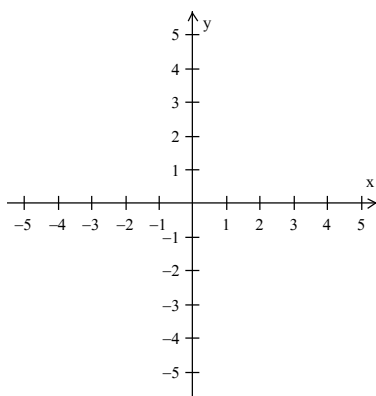
Graph:  $y = x^2$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



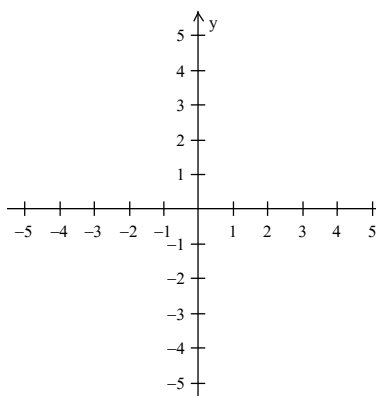
Graph:  $y = x^2 - 2$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



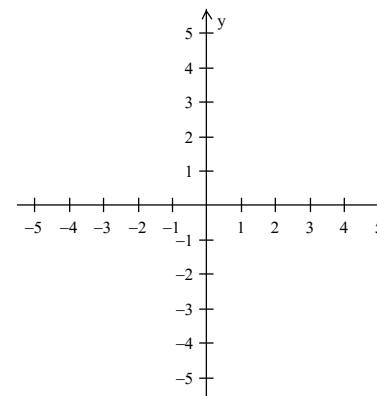
Graph:  $y = x^2 + 3$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



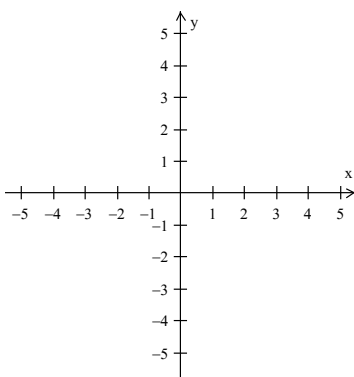
Graph:  $y = (x - 2)^2$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



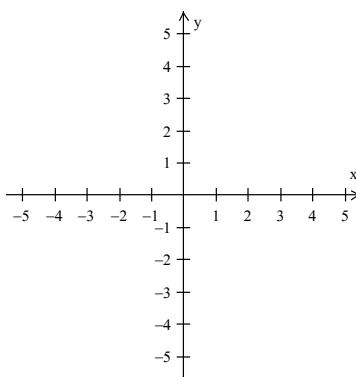
Graph:  $y = (x + 1)^2$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



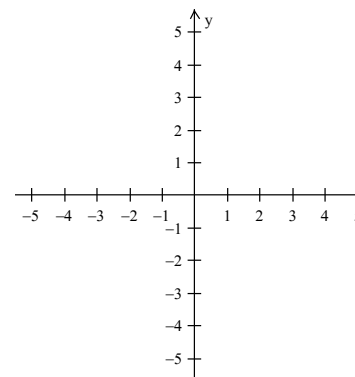
Graph:  $y = (x - 3)^2$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



Graph:  $y = (x - 2)^2 + 3$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



Graph:  $y = (x + 1)^2 - 3$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_



Graph:  $y = (x - 4)^2 - 1$   
 Vertex: \_\_\_\_\_  
 Range: \_\_\_\_\_  
 Axis of symmetry: \_\_\_\_\_