For the following, state the vertex and transformations, and write the equation of the transformed absolute value function. (Assume Vertical Stretch if necessary)

1. 
   Vertex: 
   Trans: 
   Equation: 

2. 
   Vertex: 
   Trans: 
   Equation: 

3. 
   Vertex: 
   Trans: 
   Equation: 

4. 
   Vertex: 
   Trans: 
   Equation:
Given the equation of the absolute value function, graph and identify the following attributes.

5. \( f(x) = -|x| - 2 \)

6. \( f(x) = 2|x| + 3 \)

7. \( f(x) = -|x + 3| - 1 \)

---

Given the following equations, identify the transformations, vertex and range.

8. \( y = |4(x - 1)| + 1 \)

9. \( y = -\frac{1}{3}x - 1 \)

10. \( y = 3|-(x + 2)| \)