Predicting Absolute Value Transformations

Check for changes in

- slopes
- vertex
- orientation (Opens Up or Down)
- shading (Shaded Above or Below)
- line style (Solid or Broken Line)

$y = |x+2| - 3 \rightarrow y = -|x+2| - 2$

$y < -3|x| - 5 \rightarrow y \geq -3|x+1| - 5$

$y > \frac{1}{8}|x| + 1 \rightarrow y \geq -8|x+3| - 2$

$y = |x+5| \rightarrow y < 5|x+3| - 2$

$y < 4|x| - 1 \rightarrow y < -4|x| + 1$

$y < 2|x-2| + 2 \rightarrow y \leq -2|x+2| - 2$

$y > \frac{3}{4}|x-9| \rightarrow y < \frac{3}{4}|x| + 9$

$y = -9|x| - 9 \rightarrow y = -9|x-9|$