

 Vertex Form of all Absolute value runction:

 Graph each function using transformations. State the key features.

 D: $(-\infty,\infty)$ R: $(-1,\infty)$

 1. f(x) = |x-2|-7 Vertex: (1, -1)

 End Behavior:

 As $x \to \infty$, $f(x) \to \infty$

 As $x \to -\infty$, $f(x) \to \infty$

 Increasing Interval(s): $(1,\infty)$

 Decreasing Interval(s): $(-\infty, 1)$









