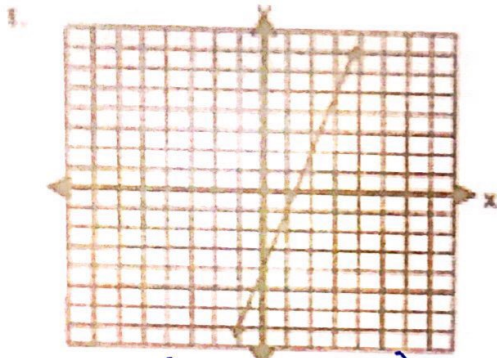


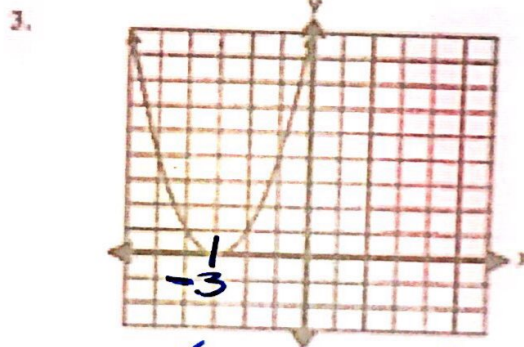
Examples Finding Domain & Range, Increasing/Decreasing, and End Behavior
 Find the requested information of the following functions. Use proper notation!



Domain: $(-\infty, \infty)$
 Range: $(-\infty, \infty)$
 Increasing: $(-\infty, \infty)$
 Decreasing: $/$

End Behavior:
 As $x \rightarrow \infty$, $y \rightarrow \infty$
 As $x \rightarrow -\infty$, $y \rightarrow -\infty$

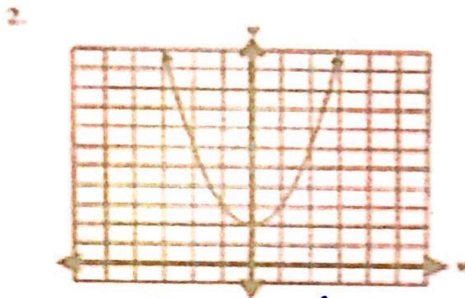
Even or odd?
 Neither



Domain: $(-\infty, \infty)$
 Range: $[0, \infty)$
 Increasing: $(-3, \infty)$
 Decreasing: $(-\infty, -3)$

End Behavior:
 As $x \rightarrow \infty$, $y \rightarrow \infty$
 As $x \rightarrow -\infty$, $y \rightarrow \infty$

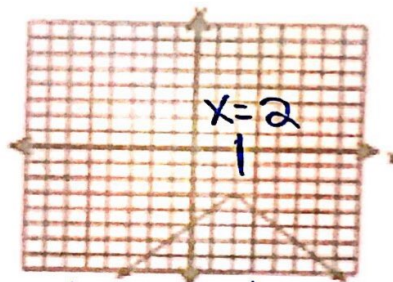
Even or odd?
 Neither



Domain: $(-\infty, \infty)$
 Range: $[2, \infty)$
 Increasing: $(0, \infty)$
 Decreasing: $(-\infty, 0)$

End Behavior:
 As $x \rightarrow \infty$, $y \rightarrow \infty$
 As $x \rightarrow -\infty$, $y \rightarrow \infty$

Even or odd?
 Even



Domain: $(-\infty, \infty)$
 Range: $(-\infty, -3]$
 Increasing: $(-\infty, 2)$
 Decreasing: $(2, \infty)$

End Behavior:
 As $x \rightarrow \infty$, $y \rightarrow -\infty$
 As $x \rightarrow -\infty$, $y \rightarrow -\infty$

Even or odd?
 Neither