Sketch the graph using the clues listed. Identify the turning points and x-intercepts.

5. $f(x)$ is negative on the intervals $(-\infty, -5)$ and $(-1, 3)$

$f(x)$ is positive on the intervals $(-5, -1)$ and $(3, \infty)$

$f(x)$ is increasing on the interval $(-\infty, -3.5)$ and $(1.25, \infty)$

$f(x)$ is decreasing on the interval $(-3.5, 1.25)$