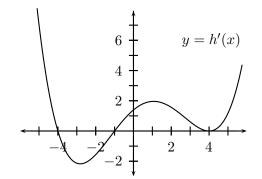
1. [13 points] The graph of the **derivative**, h'(x), of a continuous function h is shown below:



- **a**. [3 points] Approximate the x-coordinates of all critical points of h in the interval (-5, 5), and classify each as either a local maximum, a local minimum, or neither.
- **b.** [3 points] Approximate the x-coordinate(s) of any inflection point(s) of h in the interval (-5, 5).
- c. [2 points] Approximate the value(s) of x on the interval [-5, 5] where h attains its global maximum.
- **d**. [2 points] Approximate the value(s) of x on the interval [-5, 5] where h attains its global minimum.
- e. [3 points] If h(1) = 3, find the best linear approximation to h(x) at the point x = 1. Is this linear approximation an underestimate or an overestimate of h for points near x = 1? Explain.