

HONS 280–01 (Kunkle), Quiz 4
10 pts, 10 minutes

Name: _____
Sept 22, 2026

1(10 pts) On the axes provided, sketch the graph of a function $h(x)$ satisfying all of the following;

$$\begin{aligned} h(2) &= 1 & h'(2) &= 0 & h(5) &= 0 & h'(5) &= 0 \\ h'(x) &< 0 \text{ whenever } 2 < x < 5 & h'(x) &> 0 \text{ whenever } x < 2 \text{ or } 5 < x \end{aligned}$$

Solution:

1a.(Source: 2.6.4)

