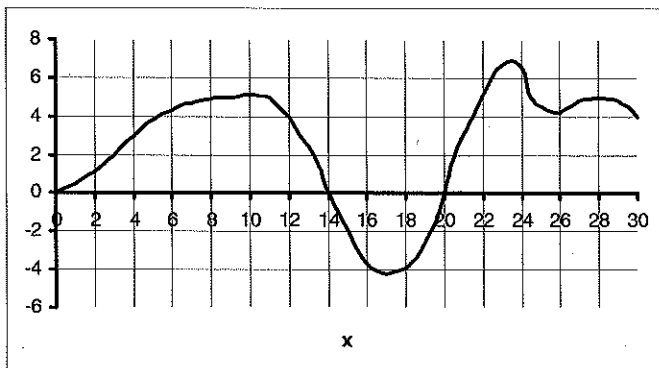


#8 DERIVATIVE INTRO 2.2

1. Use the graph below to rank the value of each expression from smallest (1) to largest (5).



_____ $f'(4)$

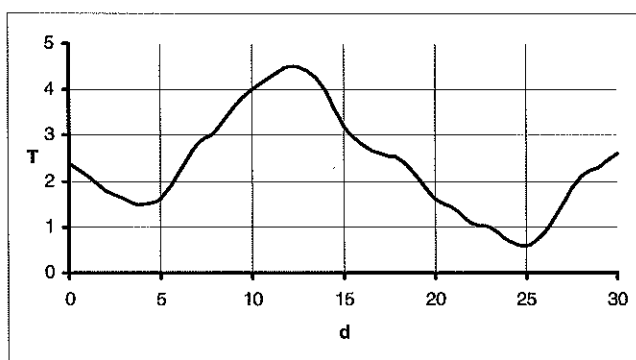
_____ slope of $f(x)$ at $x = 22$

_____ $\lim_{h \rightarrow 0} \frac{f(28+h) - f(28)}{h}$

_____ $\frac{f(20) - f(10)}{20 - 10}$

_____ slope of the tangent line at $x = 14$

2. Illustrate each expression on the graph below by sketching a ^{LONG} line with the indicated slope.



A. Average rate of change of $T(d)$ between the 5th and 25th days.

B. Rate of change of $T(d)$ on the 15th day.

C. $\frac{T(10)}{10}$