You must show your work to get full credit.

- 1. Draw graphs that satisfy the following:
 - (a) Increasing and concave up.



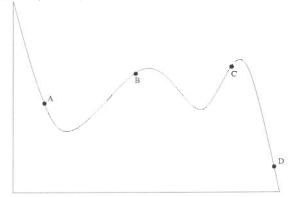


(d) Decreasing and concave down. (c) Decreasing and concave up.



(b) Increasing and concave down.

2. The following is the graph of y = f(x).



At which of the labeled points is f increasing? $\boxed{ B, C}$

At which of the labeled points is f decreasing?

At which of the labeled points is f concave up?

At which of the labeled points is f concave down? R