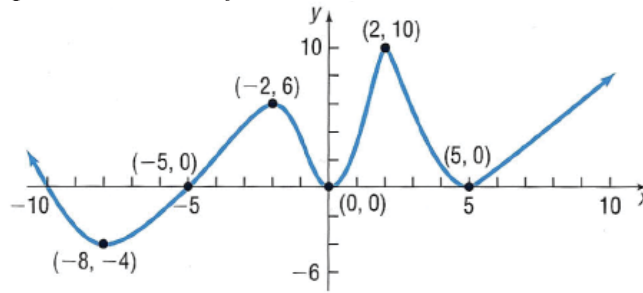


Success is the maximum utilization of the ability you have. – Zig Ziglar

In problems 1-8, use the given graph of the function f .



1	Is f increasing or decreasing on the interval $(-8, -2)$?
2	Is f increasing or decreasing on the interval $(2, 5)$?
3	List the interval(s) on which f is increasing. Justify your answer.
4	List the interval(s) on which f is decreasing. Justify your answer.
5	Find the domain.
6	Find the range.
7	Find the x -intercepts.
8	Find the y -intercepts.

For problems 9-12, the graph of a function is given. Use the graph to find:

- (a) Its domain and range
- (b) The x - and y - intercepts
- (c) The intervals of increase. Justify.
- (d) The intervals of decrease. Justify.
- (e) The intervals of constant. Justify.

