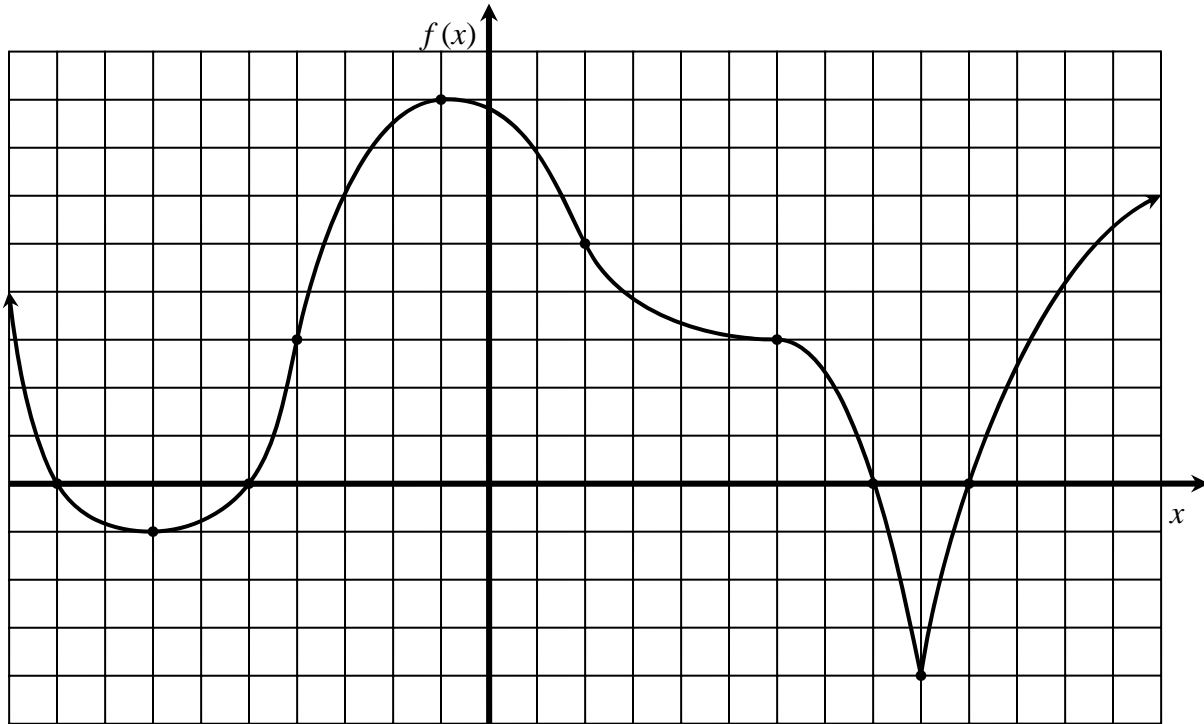


**Math 163A Class Drill 4: Identifying three kinds of graph behavior**

The graph of a function  $f$  is shown below.



- 1) Where is  $f$  zero?
- 2) Where is  $f$  positive?
- 3) Where is  $f$  negative?
- 4) Where is  $f$  horizontal?
- 5) Where is  $f$  increasing?
- 6) Where is  $f$  decreasing?
- 7) Where is  $f$  not concave?
- 8) Where is  $f$  concave up?
- 9) Where is  $f$  concave down?