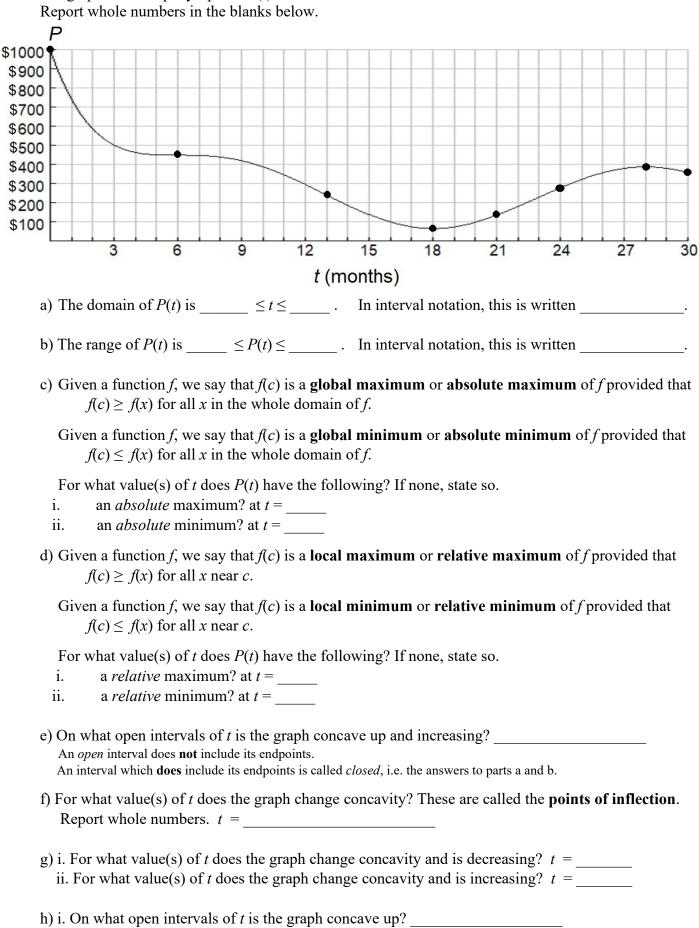
Classifying Parts of Curves

1. Use the graphs A through F and insert the letter choice in the blank. Some parts may have more than one answer.

| A B C D E F |
|--|
| a) Which graphs are increasing? |
| b) Which graphs are decreasing? |
| c) Which graphs are concave up? |
| d) Which graphs are concave down? |
| e) Which graphs have no concavity? |
| f) Which graph could model the following? |
| In the last quarter of 2009, the economy lost jobs less quickly. |
| United States economic growth accelerates. |
| The revenue is climbing at a steady rate |
| Greenland ice loss is accelerating. |
| The rise in the profits is slowing. |



ii. On what open intervals of t is the graph concave down?

2. The graph of a company's profit P(t) in dollars at month t is shown.