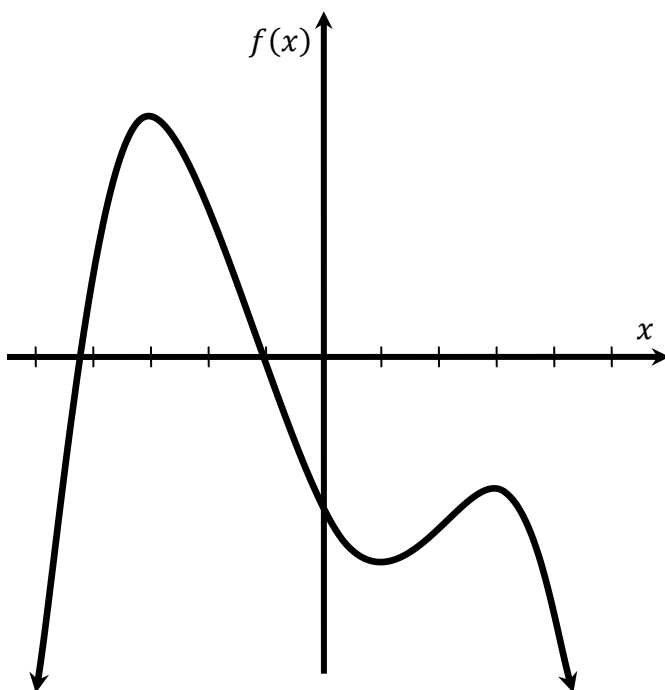


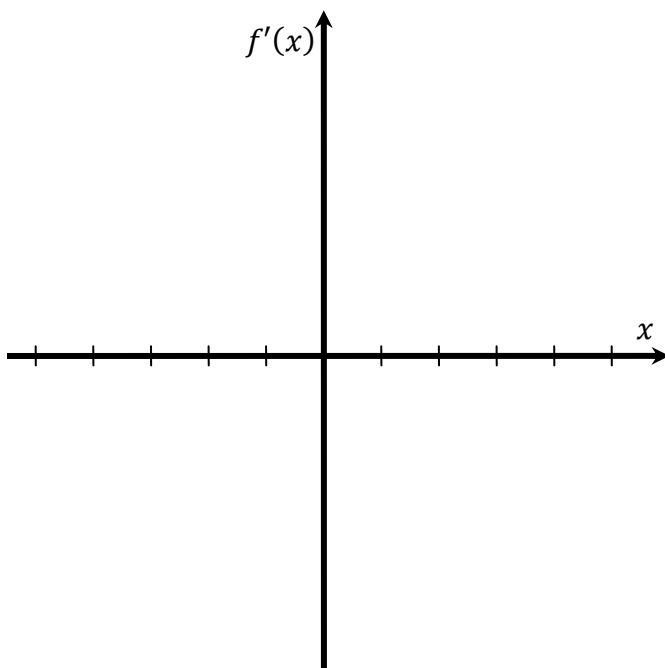
Class Drill 11: Determining the Shape of the Graph of f' by Studying the Shape of the Graph of f

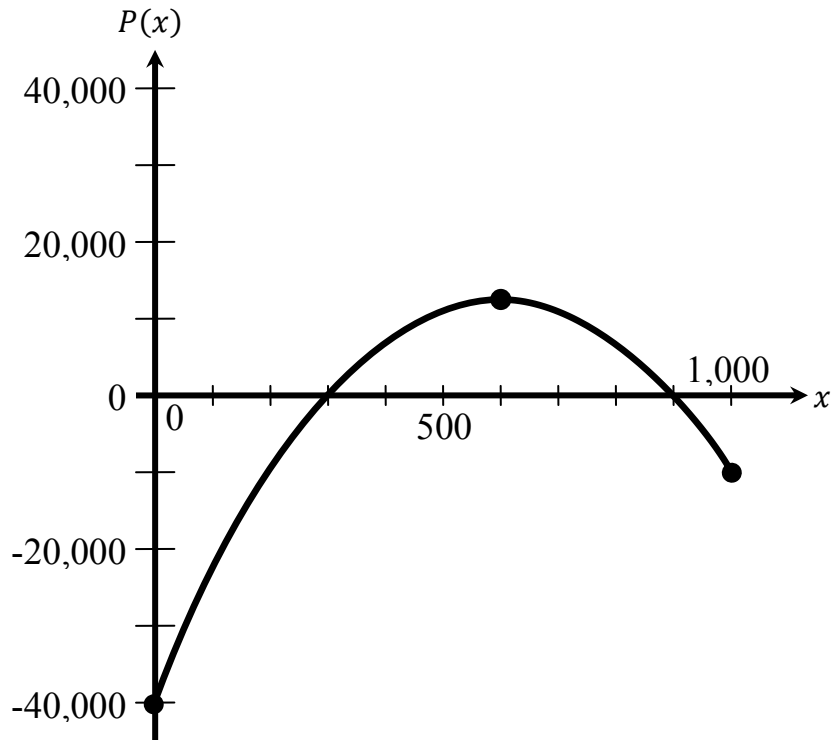


Use the given graph of $y = f(x)$ to answer the following questions:

- (A) Find the intervals on which $f'(x) > 0$.
- (B) Find the intervals on which $f'(x) < 0$.
- (C) Find the values of x for which $f'(x) = 0$.

Then sketch a possible graph of $y = f'(x)$.





Use the given graph of $y = P(x)$ to answer the following questions:

- (A) Find the intervals on which $P'(x) > 0$.
- (B) Find the intervals on which $P'(x) < 0$.
- (C) Find the values of x for which $P'(x) = 0$.

Then sketch a possible graph of $y = P'(x)$.

