

Exercise 22

An airplane takes off from an airport and lands an hour later at another airport, 400 miles away. If t represents the time in minutes since the plane has left the terminal building, let $x(t)$ be the horizontal distance traveled and $y(t)$ be the altitude of the plane.

- (a) Sketch a possible graph of $x(t)$.
- (b) Sketch a possible graph of $y(t)$.
- (c) Sketch a possible graph of the ground speed.
- (d) Sketch a possible graph of the vertical velocity.

Solution

