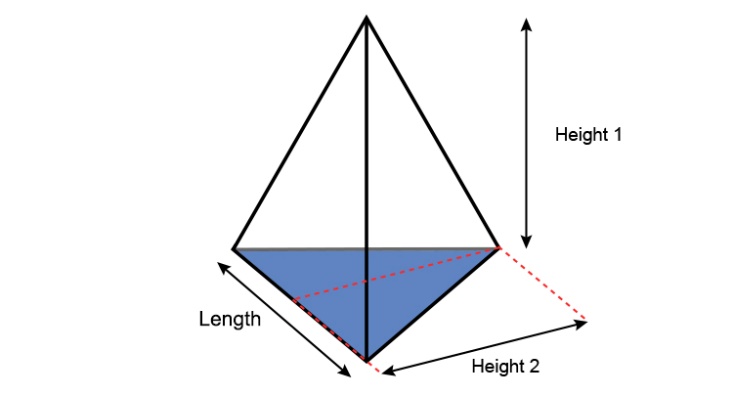
Solve the given problems and show your complete solution (3 points each).

1. When is divided by the remainder is 12. When divided by the remainder is 0. Find and



1. Find the height of a triangular-based pyramid, including the length and altitude of the base if the volume of the pyramid is cubic feet and the length of the base is 4 more than the height and the altitude is 2 less than twice the height.

Altitude

1. A ball was thrown upward with initial velocity of from the ground. It the acceleration of gravity is ,
2. what is the maximum height?
3. How long will it take the ball to reach the ground?
4. A class trip with a fixed cost of will be evenly divided to the number of attendees. If there had been 10 more attendees, the cost per attendee would be less. How many joined the trip?