Task #1:

A ladder 20 feet long leans against the side of a house. Find the height h from the top of the ladder to the ground if the angle of elevation of the ladder is 80⁰.

Task #2:

The height of a radio transmission tower is 70 meters, and it casts a shadow of length 30 meters. Find the angle of elevation of the sun.

Task #3:

The total profit for a car manufacturer in October was 16% higher than it was in September. The total profit for the 2 months was $507,600. Find the profit for each month.

Task #4:

You have eight different suits to choose from to take on your trip. How many combinations of three suits could you take?