Written Test

In Figure (a), A, B, C, D and E are five different points on a line. Line segments are formed by marking any two points on this line. For example, AB, AC and BD are three line segments. How many different line segments are there in Figure (a) ?
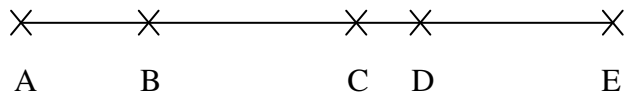

Figure (a)

Answer: There are _____10_____ different line segments.

(b) There are many different triangles in Figure (b), such as ΔVAB, ΔVAC and ΔVBD. How many different triangles are there in Figure (b) ?
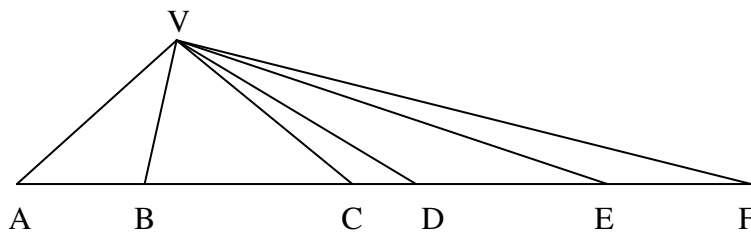

Figure (b)

Answer : There are _____15_____ different triangles.