



# KARNATAKA STATE BOARD OF TECHNICAL EDUCATION

2nd SEMESTER - 1st Year B.Tech. in Mechanical Engineering  
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1. A line is drawn from the origin to the point (2, 4). The length of this line is 4.47 units. The area of the triangle formed by the origin, the point (2, 4), and the point (4, 0) is 4 square units.