



1. An object is acted on by two forces of 20 N each. The angle between the forces is 120 degrees. The resultant force on the object has the magnitude....

- a. 20N b. 34N c. 28N d. 60n e. 40N

2. A man drives 10 km to the north and then 20 km to the east. What are the magnitude and direction of this displacement from the starting point?

- a. 20 km b. 26 km c. 22 km d. 16 km e. 18 km

3. A square foot contains approximately....

- a. 144 cm²
 b. 366 cm²
 c. 929 cm²
 d. 450 cm²
 e. 1000 cm²



4. The brakes of a car moving at 14m/s are applied and the car comes to a stop in 4 s. How far does the car go while it is slowing down from 14m/s to 10m/s

- a. 15.4 m
 b. 40 m
 c. 28.5 m
 d. 12.9 m
 e. 13.7 m