

## Answer on Question #61600 – Math – Trigonometry

### Question

(a) A box is resting on the ground and you can assume its location is the origin of the system. A person applies a force of 117 N to the box at angle of 305 degrees. Determine the horizontal component of the force applied to the box

### Solution

Horizontal component  $F_x = F \cos \theta = 117 \cos 305^\circ \approx 67.1 \text{ N}$ .

**Answer:** 67.1 N.