

Vertical Force= 8653

vector A = $\cos 30^\circ = a/4500$
 $a = 4500 \cos 30^\circ$
 $a = 3897$

vector B = $\cos 42^\circ = b/6400$
 $b = 6400 \cos 42^\circ$
 $b = 4756$

Horizontal Force= 6532

Vector A = $\sin 30^\circ = a/4500$
 $a = 4500 \sin 30^\circ$
 $a = 2250$

Vector B = $\sin 42^\circ = b/6400$
 $b = 6400 \sin 42^\circ$
 $b = 4282$