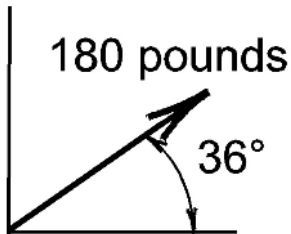
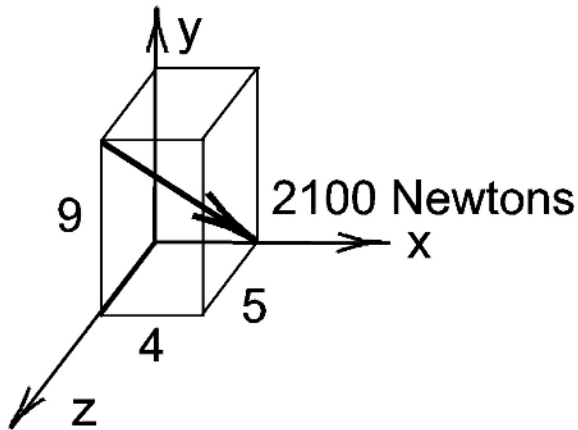


Statics - Quiz 5

1. Divide the force shown into horizontal and vertical components.



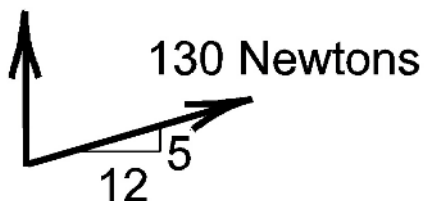
2. Divide the force shown into components in the **x**, **y**, and **z** directions.



3. A force is given by the expression $\vec{F} = 421\vec{i} - 537\vec{j} - 924\vec{k}$ pounds. What is its component parallel to the **z** axis?

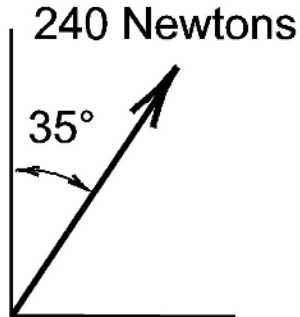
4. The 100 Newton force lies in the **x-y** plane and has a 130 Newton component in the direction shown. What is its other component?

100 Newtons

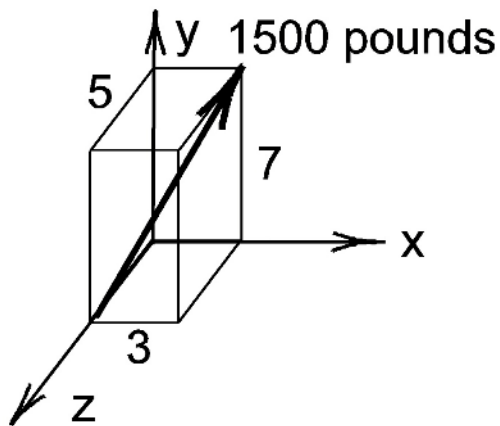


Statics - Quiz 5

1. Divide the force shown into horizontal and vertical components.



2. Divide the force shown into components in the **x**, **y**, and **z** directions.



3. A force is given by the expression $\vec{F} = 120\vec{i} + 731\vec{j} - 552\vec{k}$ Newtons. What is its component parallel to the **y** axis?

4. The 100 pound force lies in the **x-y** plane and has a 130 pound component in the direction shown. What is its other component?

