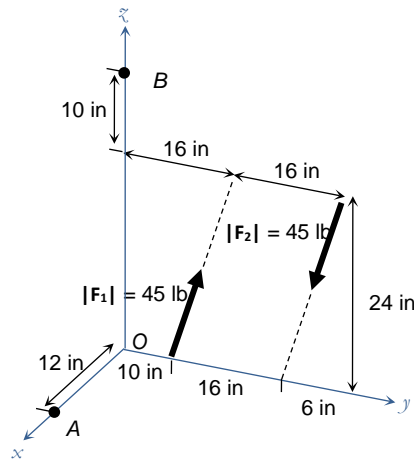


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## Example

Two forces, each of magnitude 45 lb, are directed as shown in the figure.

- Find the resultant moment due to both forces about the origin,  $O$ .
- Find the resultant moment due to both forces about the point  $A$ .
- Find the resultant moment due to both forces about the point  $B$ .
- Find the shortest distance between the lines of action between the two forces.



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e) Find the moment due to the two forces about the tip of your nose.

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### Example

Two parallel and oppositely directed forces, each of magnitude 60 N, (and therefore a \_\_\_\_\_!) are applied to the lever as shown in the figure. Find the moment due to the forces about point A.

