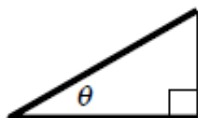


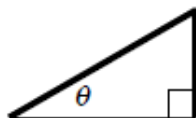
## Choosing a Trig Tool

With your study team:

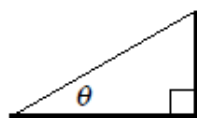
- Look through all the triangles first and see if any look familiar or are ones that you know how to answer right away without using a trig tool.
- Then identify which tool to use based on where the reference angle (the given acute angle) is located and which side lengths are involved.
- Write and solve an equation to find the missing side length.



$$\cos \theta = \frac{\text{adj}}{\text{hyp}}$$

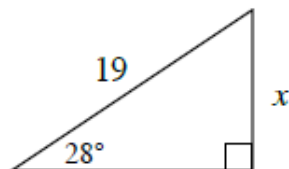


$$\sin \theta = \frac{\text{opp}}{\text{hyp}}$$

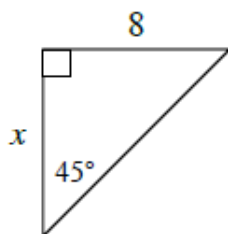


$$\tan \theta = \frac{\text{opp}}{\text{adj}}$$

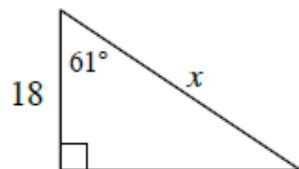
a.



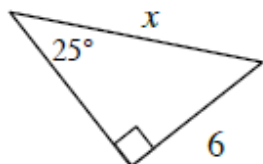
b.



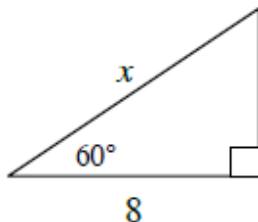
c.



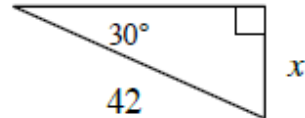
d.



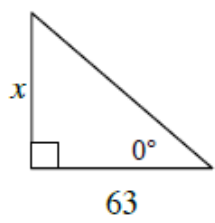
e.



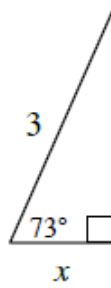
f.



g.



h.



i.

