

Math worksheet on 'Trigonometry - Side Lengths from Variables and Identity (Level 1)'. Part of a broader unit on 'Trigonometry Foundations'

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Select the definition of this side in terms of Tangent	а	$rac{tan}{opp}$	$egin{aligned} \mathbf{b} \ tan  imes hyp \end{aligned}$
What is adj? $tan = opp$	C	$rac{hyp}{tan}$	$rac{opp}{tan}$
$tan = \frac{11}{adj}$	$oldsymbol{t}a$	n  imes opp	$rac{tan}{adj}$

2 Select the definition of this side in terms of Sine	$rac{sin}{adj}$	$\frac{adj}{sin}$
What is opp? $sin = \frac{opp}{r}$	$rac{sin}{hyp}$	$rac{hyp}{sin}$
hyp	$egin{aligned} \mathbf{s}in  imes adj \end{aligned}$	$egin{aligned} oldsymbol{sin}  imes hyp \end{aligned}$

3 Select the definition of this side in terms of Sine	$rac{sin}{adj}$	$rac{sin}{hyp}$
$What\ is\ hyp? \ sin = rac{opp}{}$	$rac{sin}{opp}$	$rac{opp}{sin}$
$\frac{sin}{hyp}$	$egin{aligned} oldsymbol{sin}  imes opp \end{aligned}$	$egin{aligned} sin  imes adj \end{aligned}$

4 Select the definition of this side in terms of Cosine	$rac{hyp}{cos}$	$\frac{b}{opp}$
What is $adj$ ? $adj$	$egin{array}{c} \mathbf{c} \ cos  imes opp \end{array}$	$egin{aligned} \mathbf{d} \ cos  imes hyp \end{aligned}$
$cos = rac{1}{hyp}$	$rac{opp}{cos}$	$rac{cos}{adj}$

5 Select the definition of this side	а	b hyp
in terms of Tangent	tan  imes hyp	$\frac{regp}{tan}$
What is opp?	C	d $tan  imes adj$
$tan = \frac{opp}{c}$	tan  imes opp	tan  imes aaj
$an = \frac{aan}{adj}$	$egin{array}{c} \mathbf{e} & adj \end{array}$	$rac{tan}{}$
	$\overline{tan}$	adj

6 Select the definition of this side in terms of Cosine	$egin{aligned} \mathbf{cos}  imes adj \end{aligned}$	b	$\frac{opp}{cos}$
What is hyp?	$\frac{c}{1}$	d	$\frac{\cos}{\cos}$
$cos = rac{adj}{hyp}$	$egin{array}{c} hyp \ egin{array}{c} \egin{array}{c} \egin{array}{c} \egin{array}{c} \egin{array}{c} $	f	$\frac{opp}{adj}$
rigp	cos  imes opp		$\frac{s}{\cos}$