

Name:			



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

Learn online: app.mobius.academy/math/units/trigonometry_solving_triangles/

1 Select the definition of this side in terms of Tangent	$rac{a}{adj}$	$rac{opp}{tan}$
Adjacent	$egin{array}{c} oldsymbol{c} tan imes opp \end{array}$	$egin{aligned} extbf{d} \ tan imes hyp \end{aligned}$
	$\frac{\mathbf{e}}{tan}$	$rac{tan}{opp}$

2 Select the definition of this side in terms of Sine	$egin{aligned} oldsymbol{sin} imes hyp \end{aligned}$	$egin{aligned} \mathbf{b} \ sin imes opp \end{aligned}$
Hypotenuse	$rac{sin}{adj}$	$rac{opp}{sin}$
	sin imes adj	$egin{array}{c} adj \ sin \end{array}$

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