

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

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Solve for the side indicated	$oldsymbol{a} hyp = 13.6$	$egin{aligned} \mathbf{b} \ hyp = 9.9 \end{aligned}$
$eta=50^\circ \ hyp=?$	$oldsymbol{c} hyp = 12.4$	d $hyp = 7.4$
opp = 9.5	$oldsymbol{e}{hyp}=1$ 4.9	$egin{aligned} \mathbf{f} \ hyp = 11.2 \end{aligned}$

Solve for the side indicated	opp = 3.8	opp = 6.6
$lpha = 50^\circ \ hyp = 6.2$	$egin{aligned} \mathbf{c} \ opp = 5.2 \end{aligned}$	$egin{array}{c} extbf{d} \ opp = extbf{4.3} \end{array}$
opp = 3.2	$oldsymbol{e}{opp}=$ 4.7	$egin{aligned} \mathbf{f} \ opp = 5.7 \end{aligned}$

Solve for the side indicated	$egin{aligned} \mathbf{a} \ opp = 5.1 \end{aligned}$	opp = 9.4
$lpha=$ 55 $^{\circ}$ $opp=$?	$oldsymbol{c}{opp}=12.0$	$egin{aligned} \mathbf{d} \ opp = 6.9 \end{aligned}$
adj = 6	opp = 8.6	opp = 7.7

Solve for the side indicated	$egin{aligned} \mathbf{a} \ adj = 6.4 \end{aligned}$	$egin{array}{c} \mathbf{b} \ adj = 10.4 \end{array}$
$egin{aligned} heta = 45^{\circ} \ hyp = 11.3 \end{aligned}$	$egin{array}{c} adj = 8.0 \end{array}$	$egin{array}{c} {f d} \ adj = 8.8 \end{array}$
1. 2	$oldsymbol{e}{adj}=11.2$	$egin{array}{c} \mathbf{f} \ adj = 7.2 \end{array}$

5	Solve for the side indicated	opp=6.0	opp = 6.7
	10°		
	$\mu=$ 40 $^{\circ}$	C	d
	<i>'</i>	opp=5.3	opp = 8.0
	opp = ?		
7	10.4	е	f
n	yp = 10.4	opp = 7.4	lopp = 8.7
	01		

6 Solve for the side	а	b
indicated	adj = 14.4	adj = 7.2
$\lambda=40^\circ$	C	d
	adj = 9.6	adj = 8.4
hyp = 15.7		•
adj = ?	adj = 12.0	adj = 16.8
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7 Solve for the side indicated	$oldsymbol{a}{hyp}=10.9$	hyp=7.8
$lpha=$ 50 $^{\circ}$ $hyp=$?	$egin{aligned} \mathbf{c} \ hyp = 9.3 \end{aligned}$	d $hyp=$ 4.7
adj = 5	$egin{aligned} \mathbf{e} \ hyp = 7.0 \end{aligned}$	$egin{aligned} \mathbf{f} \ hyp = 5.4 \end{aligned}$