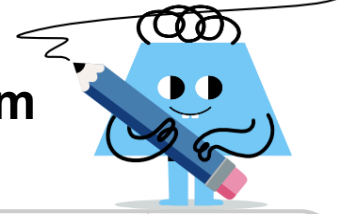




Trigonometry - Solve Side Lengths from Values



1 Solve for the side indicated $\lambda = 40^\circ$ $hyp = 15.7$ $adj = ?$	<table><tr><td>A</td><td>B</td></tr><tr><td>$adj = 7.2$</td><td>$adj = 16.8$</td></tr><tr><td>C</td><td>D</td></tr><tr><td>$adj = 14.4$</td><td>$adj = 9.6$</td></tr><tr><td>E</td><td>F</td></tr><tr><td>$adj = 8.4$</td><td>$adj = 12.0$</td></tr></table>	A	B	$adj = 7.2$	$adj = 16.8$	C	D	$adj = 14.4$	$adj = 9.6$	E	F	$adj = 8.4$	$adj = 12.0$	2 Solve for the side indicated $\mu = 40^\circ$ $opp = ?$ $hyp = 10.4$	<table><tr><td>A</td><td>B</td></tr><tr><td>$opp = 6.7$</td><td>$opp = 8.7$</td></tr><tr><td>C</td><td>D</td></tr><tr><td>$opp = 8.0$</td><td>$opp = 6.0$</td></tr><tr><td>E</td><td>F</td></tr><tr><td>$opp = 5.3$</td><td>$opp = 7.4$</td></tr></table>	A	B	$opp = 6.7$	$opp = 8.7$	C	D	$opp = 8.0$	$opp = 6.0$	E	F	$opp = 5.3$	$opp = 7.4$
A	B																										
$adj = 7.2$	$adj = 16.8$																										
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$opp = 8.0$	$opp = 6.0$																										
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$opp = 5.3$	$opp = 7.4$																										
3 Solve for the side indicated $\theta = 30^\circ$ $opp = ?$ $adj = 3$	<table><tr><td>A</td><td>B</td></tr><tr><td>$opp = 1.7$</td><td>$opp = 1.0$</td></tr><tr><td>C</td><td>D</td></tr><tr><td>$opp = 2.3$</td><td>$opp = 1.9$</td></tr><tr><td>E</td><td>F</td></tr><tr><td>$opp = 1.6$</td><td>$opp = 2.4$</td></tr></table>	A	B	$opp = 1.7$	$opp = 1.0$	C	D	$opp = 2.3$	$opp = 1.9$	E	F	$opp = 1.6$	$opp = 2.4$	4 Solve for the side indicated $\theta = 40^\circ$ $adj = 9$ $hyp = ?$	<table><tr><td>A</td><td>B</td></tr><tr><td>$hyp = 11.7$</td><td>$hyp = 15.3$</td></tr><tr><td>C</td><td>D</td></tr><tr><td>$hyp = 12.9$</td><td>$hyp = 9.4$</td></tr><tr><td>E</td><td>F</td></tr><tr><td>$hyp = 16.4$</td><td>$hyp = 7.0$</td></tr></table>	A	B	$hyp = 11.7$	$hyp = 15.3$	C	D	$hyp = 12.9$	$hyp = 9.4$	E	F	$hyp = 16.4$	$hyp = 7.0$
A	B																										
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5 Solve for the side indicated $\theta = 40^\circ$ $hyp = 5.2$ $opp = ?$	<table><tr><td>A</td><td>B</td></tr><tr><td>$opp = 3.0$</td><td>$opp = 4.7$</td></tr><tr><td>C</td><td>D</td></tr><tr><td>$opp = 2.0$</td><td>$opp = 4.0$</td></tr><tr><td>E</td><td>F</td></tr><tr><td>$opp = 3.7$</td><td>$opp = 3.3$</td></tr></table>	A	B	$opp = 3.0$	$opp = 4.7$	C	D	$opp = 2.0$	$opp = 4.0$	E	F	$opp = 3.7$	$opp = 3.3$	6 Solve for the side indicated $\beta = 35^\circ$ $opp = 4.2$ $hyp = ?$	<table><tr><td>A</td><td>B</td></tr><tr><td>$hyp = 8.8$</td><td>$hyp = 6.6$</td></tr><tr><td>C</td><td>D</td></tr><tr><td>$hyp = 8.1$</td><td>$hyp = 9.5$</td></tr><tr><td>E</td><td>F</td></tr><tr><td>$hyp = 5.1$</td><td>$hyp = 7.3$</td></tr></table>	A	B	$hyp = 8.8$	$hyp = 6.6$	C	D	$hyp = 8.1$	$hyp = 9.5$	E	F	$hyp = 5.1$	$hyp = 7.3$
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7 Solve for the side indicated $\alpha = 55^\circ$ $opp = ?$ $adj = 11$	<table><tr><td>A</td><td>B</td></tr><tr><td>$opp = 12.6$</td><td>$opp = 18.9$</td></tr><tr><td>C</td><td>D</td></tr><tr><td>$opp = 14.1$</td><td>$opp = 17.3$</td></tr><tr><td>E</td><td>F</td></tr><tr><td>$opp = 15.7$</td><td>$opp = 22.0$</td></tr></table>	A	B	$opp = 12.6$	$opp = 18.9$	C	D	$opp = 14.1$	$opp = 17.3$	E	F	$opp = 15.7$	$opp = 22.0$	8 Solve for the side indicated $\alpha = 35^\circ$ $opp = 6.3$ $adj = ?$	<table><tr><td>A</td><td>B</td></tr><tr><td>$adj = 7.2$</td><td>$adj = 9.0$</td></tr><tr><td>C</td><td>D</td></tr><tr><td>$adj = 8.1$</td><td>$adj = 11.7$</td></tr><tr><td>E</td><td>F</td></tr><tr><td>$adj = 5.4$</td><td>$adj = 9.9$</td></tr></table>	A	B	$adj = 7.2$	$adj = 9.0$	C	D	$adj = 8.1$	$adj = 11.7$	E	F	$adj = 5.4$	$adj = 9.9$
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