

Using Special Right Triangles



Section A Use the triangle diagrams to help complete the table for the exact trig values.

30°
60°
1, $\sqrt{3}$, 2

45°
45°
1, 1, $\sqrt{2}$

	0°	30°	45°	60°	90°
sin	0				1
cos	1				0
tan	0				

Section B Give the exact values.

1) $\sin 30 + \cos 60$	2) $\tan 45 + \cos 60$	3) $4 \sin 30 + \cos 0$
4) $2 \sin 60$	5) $8 \cos 45$	6) $(\sin 45)^2 + 3 \cos 60$
7) $(3 \tan 30)^2 + (\tan 60)^2$	8) $5 \sin 60 - 3 \cos 30$	9) $9 \sin 30 - 3 \sin 90 + 4 (\cos 45)^2$

Section C Use the ratios of the given lengths to find the missing angles.

1) $a = \underline{\hspace{2cm}}$

2) $b = \underline{\hspace{2cm}}$

3) $c = \underline{\hspace{2cm}}$

4) $d = \underline{\hspace{2cm}}$

5) $e = \underline{\hspace{2cm}}$

6) $f = \underline{\hspace{2cm}}$

Exploring Right Triangles Worksheet

Minjie Lin



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web in transcription the dna code is read and in translation the code is used to build up protein molecules dna is a triplet code each triplet a group of three bases codes for a specific amino acid

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web about this chapter the flow of genetic information in cells from dna to mrna to protein is described by the central dogma which states that genes specify the sequence of mrnas which in turn specify the sequence of amino acids making up all proteins the decoding of one molecule to another is performed by specific proteins and rnas

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