Trigonometry – Using Exact Values

In each triangle below find the exact value of x then put the letter of the question below its corresponding answer to discover a message.

		1								
A	x 60° 5cm	R	9cm x							
G	45° 4cm	S	7√3cm							
_	$\sqrt{3}$ cm χ	Т	x 11cm							
K	5cm x	U	$x = \sqrt{10} \text{cm}$							
M	3√3cm x 60°	W	$\sqrt{2}$ cm $\frac{x}{45^{\circ}}$							
N	$7\sqrt{2}$ cm x	Y	4cm x							
0	7cm	!	$\frac{10}{3}$ cm							
$\frac{4\sqrt{3}}{3}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5√3	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							
11 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{7\sqrt{3}}{3}$	$14 \frac{5\sqrt{3}}{3}$							
		J								

Trigonometry – Using Exact Values

In each triangle below find the exact value of x then put the letter of the question below its corresponding answer to discover a message.

A			_	x 30°	60°	5cm			R	9cm x							
G				45° x		4cm			S	$\frac{60^{\circ}}{7\sqrt{3}\text{cm}}$							
1			$\sqrt{3}$ cm	45°	<i>x</i>				Т	x 11cm							
K				5cm	x 30°				U	$x = \sqrt{10} \text{cm}$							
M			x 60°	3√30	cm	7			W	$\sqrt{2}$ cm $\frac{\chi}{45^{\circ}}$							
N				45° 45° x	7√2cm	ı			Y	4cm x							
0			_	7cm	60° x	;			!	$\frac{10}{3}$ cm							
	_						I							_	1		
$\frac{4\sqrt{3}}{3}$	$\frac{7\sqrt{3}}{3}$	$\sqrt{5}$		3	$\sqrt{5}$	14	$\frac{11}{2}$		5√3	7	$\frac{7\sqrt{3}}{3}$	2	-	$\frac{4\sqrt{3}}{3}$	$\frac{7\sqrt{3}}{3}$	$\sqrt{5}$	$\frac{9\sqrt{2}}{2}$
Y	0	U		M	U	S	Т		K	N	0	W		Y	0	U	R
11 2	$\frac{9\sqrt{2}}{2}$	√6	$4\sqrt{2}$		$\frac{9\sqrt{2}}{2}$	10	11 2	$\sqrt{6}$	$\frac{7\sqrt{3}}{3}$	14	$\frac{5\sqrt{3}}{3}$						
Т	R	ı	G		R	Α	Т	ı	0	s	!						