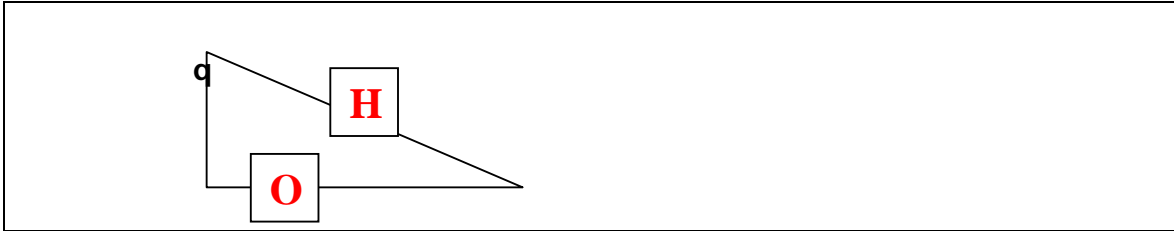


# Year 10 Trigonometry Test Ch 14

## ANSWER SHEET

1. With reference to angle  $q$ , label the hypotenuse, opposite and adjacent sides



Use your calculator to find the tan, cos and sin for each angle (to 4 decimal places)

	Angle size	Tan	Cos	Sin
2	$7^\circ$	0.1227	0.9925	0.1218
3	$37.5^\circ$	0.7673	0.7933	0.6087
4	$48^\circ$	1.1106	0.6691	0.7431
5	$64^\circ$	2.0503	0.4383	0.8987
6	$89^\circ$	57.2899	0.0174	0.9998

Use your calculator to find the angle size (to 2 decimal places) using the ratios given

	ratio	Angle size
7	(tan) 0.4165	22.61
8	(sin) 0.7193	46
9	(cos) 0.6947	46
10	(tan) 0.3521	19.40
11	(cos) 0.9986	3.03

Use the sine, tangent or cosine ratios to find the unknown lengths marked with - x

Round up to nearest unit

<b>12</b>	<p><math>x = 14</math></p>	<b>13</b>	<p><math>x = 13</math></p>
<b>14</b>		<b>15</b>	

	$25^\circ$		x
$X = 7$		$X = 5$	