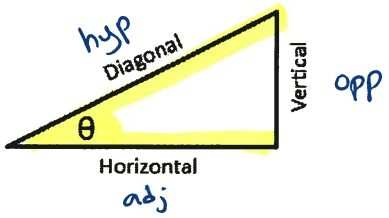
KEY

First Name:_____ Last Name:_____

L02 - FQ – Trig Ratios

Use the following information to answer Q1:

Labelling the Sides of a Triangle



Side Orientation

1 – Diagonal

2 – Horizontal

3 – Vertical

Q1: Use the numbers above to identify each side of the triangle.

Orientation:	2	1	3
Description:	**Adjacent**	**Hypotenuse**	**Opposite**

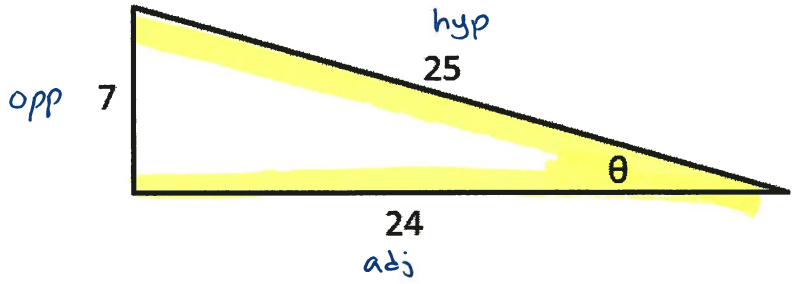
*(Record your **three-digit** answer in the Numerical Response boxes below)*

2	1	3	

KEY

Use the following information to answer Q2-Q4:

Trig Ratios for a 7-24-25 Triangle



Q2: $Sin\ \theta = \frac{a}{bc}$ where the integers ***a, b,*** and ***c*** are ___, ___, and ___.

*(Record your **three digit** answer in the Numerical Response boxes below)*

7	2	5	

$\sin\theta = \frac{o}{h} = \frac{7}{25}$

Q3: What is the value of $Cos\ \theta$, to the nearest hundredth?

(Record your answer in the Numerical Response boxes below)

0	.	9	6

$\cos\theta = \frac{a}{h} = \frac{24}{25} = 0.96$

Q4: $Tan\ \theta$ is ***a.bc*** x 10^{d}, where ***a, b, c,*** and ***d*** are ___, ___, ___, and ___.

*(Record your **four-digit** answer in the Numerical Response boxes below)*

2	9	2	1

$\tan\theta = \frac{o}{a} = \frac{7}{24} = 0.2916\overline{6}$

$= 2.92 \times 10^{-1}$

$a.bc \times 10^{-d}$

$a = 2$
$b = 9$
$c = 2$
$d = 1$

MARKING:

Beginning	0 – 1.5
Progressing	2 – 2.5
Competent	3 – 3.5
Exemplary	4