$\qquad$
$\frac{\text { Main Ideas/ }}{\text { Questions }}$

Triangle Labels of Trigonometry

Examples

Trigonometry Ratios

## Notes

Trigonometry - The study of angles and sides in $\qquad$


What side is opposite of the shaded angle?
b. What side is adjacent to Angle Z?
c. What side is opposite of the shaded angle?
d. What side is adjacent to Angle H?


# Main Ideas/ Questions 

## Notes

1. Evaluate $\sin (23)$ to the nearest thousandths.
2. Evaluate $\cos (30)$ to the nearest thousandths.
3. Evaluated $\tan (20)$ to the nearest thousandths.
4. Evaluate the $\cos (5)$ and $\sin (85)$ to the nearest thousandths.
5. Evaluate the $\sin (43)$ and $\cos (47)$ to the nearest thousandths.

Co-functions have the same $\qquad$ .

$$
\begin{aligned}
\sin (\theta) & =\cos (90-\theta) \\
\cos (\theta) & =\sin (90-\theta) \\
\tan (\theta) & =\frac{1}{\tan (90-\theta)}
\end{aligned}
$$

1. Without using a calculator, what would be equal to $\sin (25)$ ?
2. Without using a calculator, what would be equal to $\cos (45)$ ?
3. Without using a calculator, what would be equal to $\tan (30)$ ?
4. Without a calculator, what would be equal to $\frac{1}{\tan (29)}$ ?
