

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date: .....

Name: .....

ID No.....

## Chapter: Five

### Vocabulary Quiz

Directions: Match the trigonometric ratios on the left with their definitions on the right by shading the circles given at the bottom.

<p>(i) <math>\sin \theta</math></p> <p>(ii) <math>\cos \theta</math></p> <p>(iii) <math>\tan \theta</math></p> <p>(iv) <math>\operatorname{cosec} \theta</math></p> <p>(v) <math>\sec \theta</math></p> <p>(vi) <math>\cot \theta</math></p>	<p>(a) <math>\frac{\text{side opposite to angle } \theta}{\text{side adjacent to angle } \theta}</math></p> <p>(b) <math>\frac{\text{side adjacent to angle } \theta}{\text{side opposite to angle } \theta}</math></p> <p>(c) <math>\frac{\text{side opposite to angle } \theta}{\text{hypotenuse}}</math></p> <p>(d) <math>\frac{\text{hypotenuse}}{\text{side opposite to angle } \theta}</math></p> <p>(e) <math>\frac{\text{side adjacent to angle } \theta}{\text{hypotenuse}}</math></p> <p>(f) <math>\frac{\text{hypotenuse}}{\text{side adjacent to angle } \theta}</math></p>	
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	(a)	(b)	(c)	(d)	(e)	(f)
(i)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(ii)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(iii)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(iv)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(v)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(vi)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>