

## BAHAN PDP MATEMATIK TINGKATAN 1 CIKGU RADUAN

NAMA: \_\_\_\_\_

TINGKATAN 1: \_\_\_\_\_



**SEKOLAH MENENGAH KEBANGSAAN DATO' BIJAYA SETIA  
08000 SUNGAI PETANI KEDAH**

### Exploring Activity 3

#### To Converse of the Pythagoras' Theorem

1. Open the file <http://www.geogebra.org/m/GpVa546n> using *GeoGebra*. The screen displayed shows a triangle *ABC* with angles at vertex *B* and vertex *C*.
2. Click and drag point *A* towards left or right and observe the change in the information displayed in red colour. Copy and record your observations in the following table for a two sets of values. Click and drag point *B* or *C* to change the shape of the triangle if necessary.

#### 2. Drag the answer and complete the table

28		30		60		44	
72		51		90		72	
First Observe		$a^2$	$b^2$	$c^2$	$a^2+b^2$		
Shape A	39°						
Shape B	51°						
Shape C	90°						
Second Observe		$a^2$	$b^2$	$c^2$	$a^2+b^2$		
Shape A	43°						
Shape B	75°						
Shape C	62°						