

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°								