Trigonometric Ratios for Special Angles

There are 2 kinds of right triangles that create interesting trigonometric ratios. They are:

The  Triangle









The  Triangle (version 1)









The  Triangle (version 2)







Trigonometric Ratios for Special Angles continued...

* SPECIAL ANGLES and their values can be used to solve a variety of problems. Suggestion: Don’t worry about memorizing the trig ratios, you can always MATHEMATISE them if you know the triangles.

|  |
| --- |
| **NOTE:**  **NOT**   |

**Example** **1** – Evaluate the following expressions using exact values – ***no calculator & no decimals!***

 a)  b) 

c)  d) 

**Example** **2** – Using exact values, determine if

|  |  |  |  |
| --- | --- | --- | --- |
| a)  | b)  | c)  | d)  |

**Extending**

**THREE RECIPROCAL**

 **TRIG RATIOS**







a. If

b. If