**Square Root and Pythagoras Test – What you need to know**

1. Know all 15 perfect squares (1,4,9,16…).
2. Know all 15 perfect square roots (√1=1, √4=2, √9=3…).
3. Estimate square roots that are not perfect squares ( Ex: √52). Fully explain or show your thoughts or reasoning using the 3 step approach.
4. Use a calculator to find the square root of a number to the nearest hundredth (two numbers after the decimal).

Example: √98 = 9.90 √71 = 8.43 √143 = 11.96

1. Know how to find the area of a square if you know its length. Know how to find the length of a square if you know its area. Include the proper units (Example cm or cm2).
2. Know how to find perimeter of a square if you know its area.
3. Know what Pythagoras discovered about the 3 squares around a right triangle.
4. Use Pythagoras’ Theory (c2 = a2 + b2) to find the missing side of a triangle.
5. Know how to draw diagrams and use Pythagoras’ Theory to solve word problems.