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| **\*Pythagoras.**  Calculate the length of the hypotenuse.    A triangle has sides 8cm, 6cm, 10cm. Show that it is a right angled triangle? | **\*Trig – Finding sides.**  Evaluate the value of ‘y’ to 1dp. | **\*Trig –Finding Angles.**  Determine the size of angle ‘x’ to 1dp. | **\*Pythag and Trig mix.**  Calculate the value of ‘x’ to 1dp. |
| **Reflections.**  After reflecting this shape in the diagonal line, what are the new coordinates of ‘A’? | **Translations.**  Write the column vector that translates ‘A’ to ‘B’. How does the vector change when translating ‘B’ to ‘A’? | **Plans and Elevations.**  Draw each of the elevations for the diagram below. | **\*Circles.**  Calculate the perimeter and area of these shapes to 3sf. (and if possible in terms of ). |
| **Rotations.**  To perform a rotation, three pieces of information are required, what are they?    Describe the rotation that maps ‘C’ to ‘D’ | **\*Surface Area and volume.**  Determine the surface area and volume of the prism below. | **Angles in lllel lines.**  Find the values of ‘x’ and ‘y’. | **Enlargements.**  Enlarge ‘E’ by scale factor 2 about (0, 0). |

\*Calculator allowed