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| **Geometry Revision**  | **3** |
| **(a)** | **(b)** | **(c)** | **(d)** |
| Work out the area of the shape shown. | On the grid, translate triangle A by the vector $\left(\begin{matrix}5\\-2\end{matrix}\right)$ | The surface area of the cube shown is $486 cm^{2}$. Find the value of $x$. | Find the value of $x$. Give reasons for your answer. |
| **(e)** | **(f)** | **(g)** | **(h)** |
| Using only ruler and compasses, construct an equilateral triangle. The first side has been drawn for you. | (i) Calculate the area of a circle with a radius of $8 cm$. Give your answer to 1 decimal place.(ii) Calculate the circumference of a circle with a radius of $55 mm$. Leave your answer in terms of $π$. | On the grid, reflect shape B in the line $y=4$. | The volume of the triangular prism shown is $1512 cm^{3}$. Find the value of $x$. |