|  |  |  |  |
| --- | --- | --- | --- |
| **Work out angles *a* and *b***    **Can you work out the perimeter of the triangle?** | **Work out vectors** **and** **in terms of c and d** | **Find the area and perimeter of the sector below** | **Find the missing length, *p***  **Can you work out the area of the triangle?** |
| **Work out the surface area of the shape below** | **Explain, using diagrams, when you would use the sine rule and when you would use the cosine rule.**  **Can you create a problem that would require you to use both?** | **Find the length of the spider web that goes in a straight line from A to B.** | Find the angle QSR |
| The two cereal boxes are similar shapes. Work out the weight of the larger box. | **Find the missing lengths p and q.** | **Copy and enlarge using a Scale Factor of -½ from COE at (-1, -1)** | **Find the volume of the Frustum** |