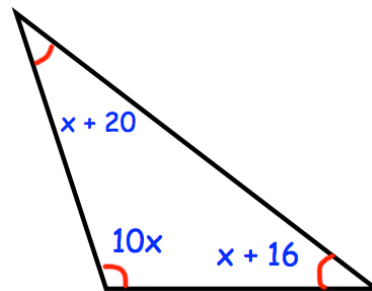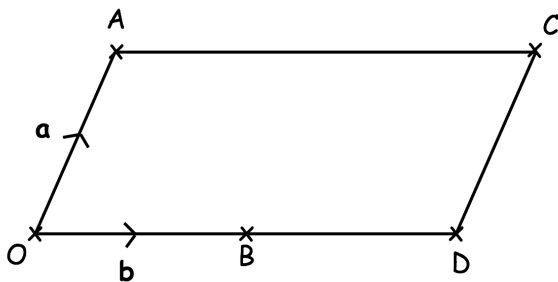| | |
|---|---|
| Factorise $$x^2 - 2x - 3$$ | Factorise $$x^2 - x - 132$$ |
| Find the size of the largest angle. |  |
| A helicopter takes off from an airport and then flies 200 miles East and then 40 miles North.<br><br>The helicopter then flies directly back to the airport. | How far does the helicopter fly in total? |
|  | OACD is a parallelogram.<br>B is the midpoint of OD.<br><br>$$\overrightarrow{OA} = \mathbf{a} \qquad \overrightarrow{OB} = \mathbf{b}$$ |
| Express in terms of **a** and **b**, the vector $$\overrightarrow{OC}$$ | Express in terms of **a** and **b**, the vector $$\overrightarrow{OD}$$ |