

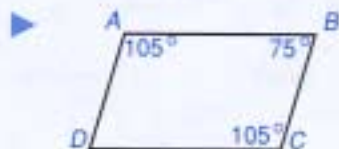
11

Find the Missing Angle

Here's How

Find the measure of $\angle D$.

The sum of the measures of the angles of any quadrilateral is 360° .



A quadrilateral has four sides and four angles.

$105^\circ + 75^\circ + 105^\circ = 285^\circ$ Add the measures of the angles that you know.

$$\begin{array}{r} 360^\circ \\ - 285^\circ \\ \hline 75^\circ \end{array}$$

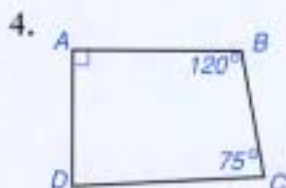
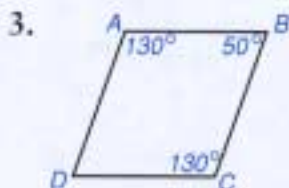
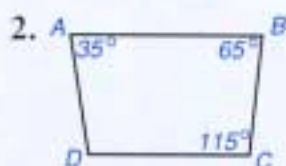
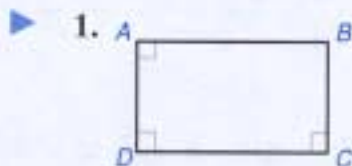
Subtract the sum, 285° , from 360° .

The measure of $\angle D$ is 75° .

Try These

Find the measure of the fourth angle in each quadrilateral.

Remember—a right angle is noted by a square corner and is 90° .



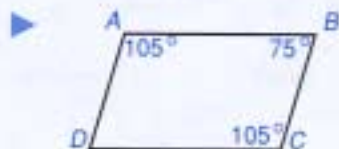
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