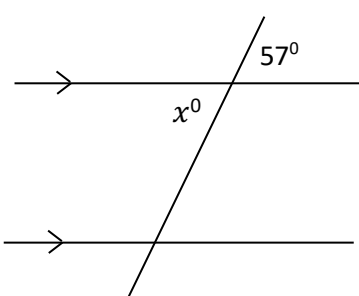
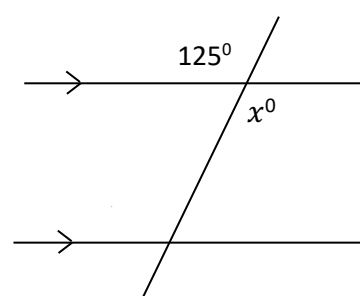
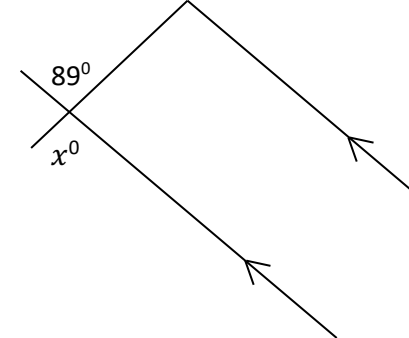
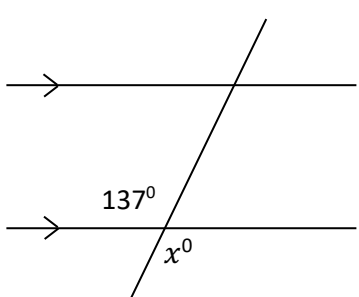
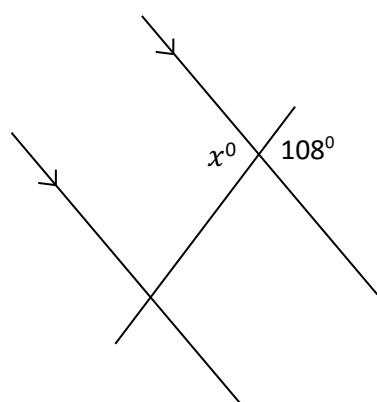
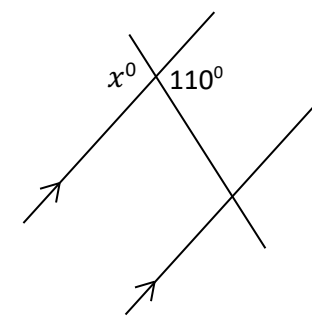
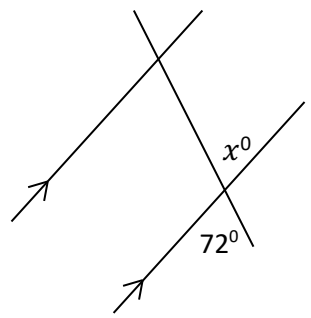
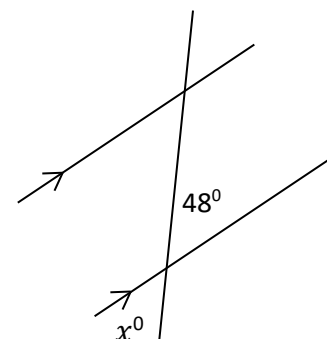
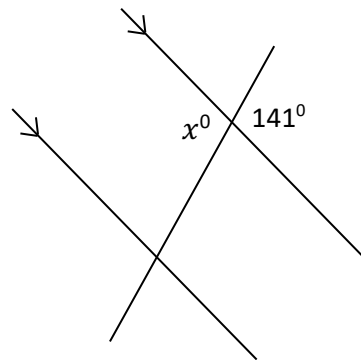
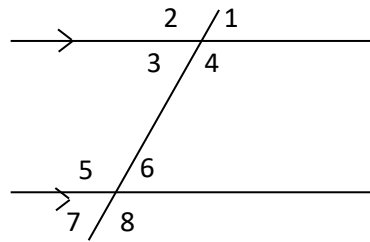


## MATHS WORKSHEETS- GEOMETRY- VERTICALLY OPPOSITE ANGLES

Find the value of the pronumeral, giving reasons.

|  |   |  |
|--|---|--|
| <p>1.</p>  <p>Answer:</p>   | <p>2.</p>  <p>Answer:</p>    | <p>3.</p>  <p>Answer:</p>   |
| <p>4.</p>  <p>Answer:</p>  | <p>5.</p>  <p>Answer:</p>  | <p>6.</p>  <p>Answer:</p>  |
| <p>7.</p>  <p>Answer:</p> | <p>8.</p>  <p>Answer:</p> | <p>9.</p>  <p>Answer:</p> |

### Answer Key:



$$\angle 1 = \angle 3$$

$$\angle 2 = \angle 4$$

$$\angle 6 = \angle 7$$

$$\angle 5 = \angle 8$$

Vertically opposite angles are congruent.

1.  $57^\circ \rightarrow$ Vertically opposite angles
2.  $125^\circ \rightarrow$ Vertically opposite angles
3.  $89^\circ \rightarrow$ Vertically opposite angles
4.  $137^\circ \rightarrow$ Vertically opposite angles
5.  $108^\circ \rightarrow$ Vertically opposite angles
6.  $110^\circ \rightarrow$ Vertically opposite angles
7.  $72^\circ \rightarrow$ Vertically opposite angles
8.  $48^\circ \rightarrow$ Vertically opposite angles
9.  $141^\circ \rightarrow$ Vertically opposite angles