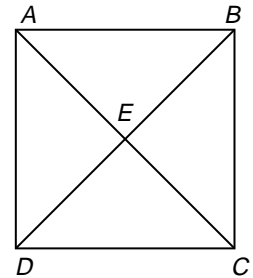


Practice

Squares and Rhombi

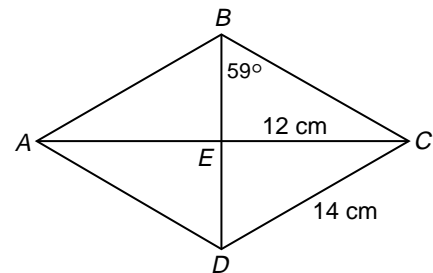
Use square $ABCD$ and the given information to find each value.

- If $m\angle AEB = 3x$, find x .
- If $m\angle BAC = 9x$, find x .
- If $AB = 2x + 4$ and $CD = 3x - 5$, find BC .
- If $m\angle DAC = y$ and $m\angle BAC = 3x$, find x .
- If $AB = x^2 - 15$ and $BC = 2x$, find x .



Use rhombus $ABCD$ and the given information to find each measure.

- $m\angle BCE$
- $m\angle BEC$
- AC
- $m\angle ABD$
- AD



Determine whether $EFGH$ is a parallelogram, a rectangle, a rhombus, or a square for each set of vertices. List all that apply.

- $E(0, -3), F(-3, 0), G(0, 3), H(3, 0)$
- $E(2, 1), F(3, 4), G(7, 2), H(6, -1)$