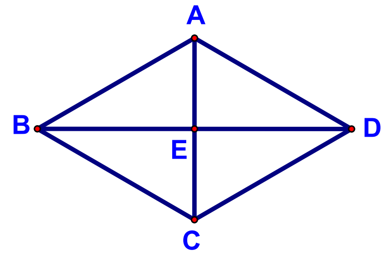
3.

Given: $\overline{AB} \cong \overline{BC} \cong \overline{CD} \cong \overline{AD}$

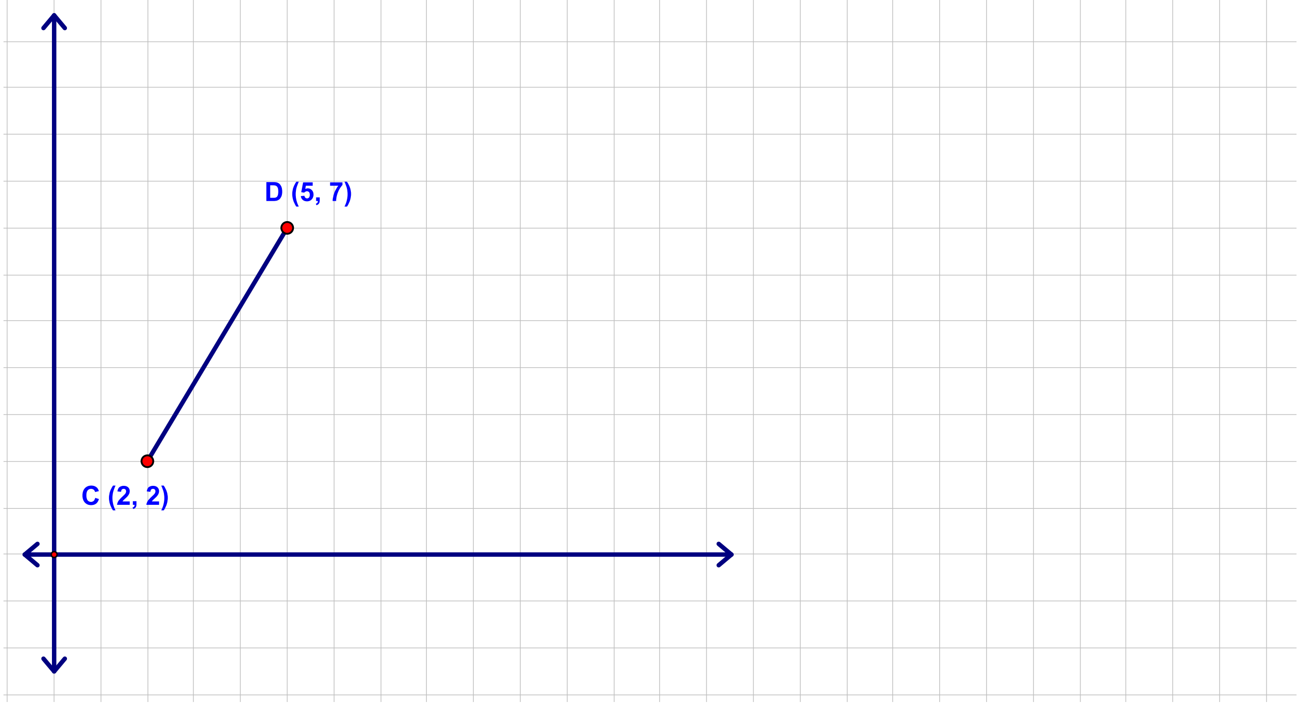
Prove: $\overline{AC} \perp \overline{BD}$



Statements	**Reasons**

8.

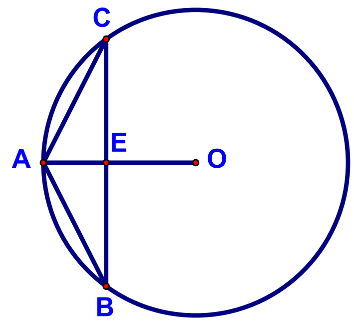
If $\overline{CD}$ is the hypotenuse of a right $\triangle CAD$ and A has integral coordinates, find all possible values of the coordinates of A.



9.

Given: $\odot O$
$\angle B \cong \angle C$

Prove: $\overline{AO} \perp \overline{BC}$

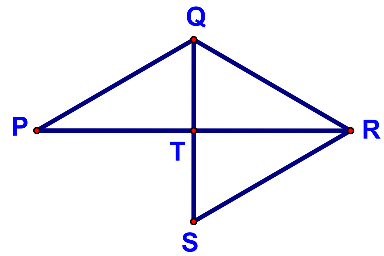


Statements	**Reasons**

11.

Given: $\overleftrightarrow{PR}$ bisects $\overline{QS}$
$\angle RQT \cong \angle RST$

Prove: $\overline{QS} \perp \overline{PR}$



Statements	Reasons

12.

Prove that if 2 ⊙s intersect at 2 points, A & B, then the line joining the ⊙s centers is $\perp$ $\overline{AB}$.

Given:

Prove:

Statements	Reasons

14.

Is a ⊥ b? Justify your answer.