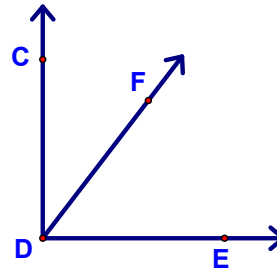


7.

Given: $\overleftrightarrow{CD} \perp \overleftrightarrow{DE}$

Prove: $\angle CDF$ is complementary to $\angle FDE$

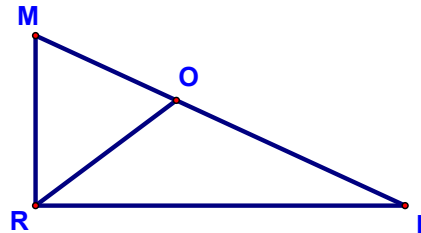


Statements	Reasons

9.

Given: $\angle MRO$ is compl. to $\angle PRO$

Prove: $\angle MRP$ is a right \angle



Statements	Reasons

11.

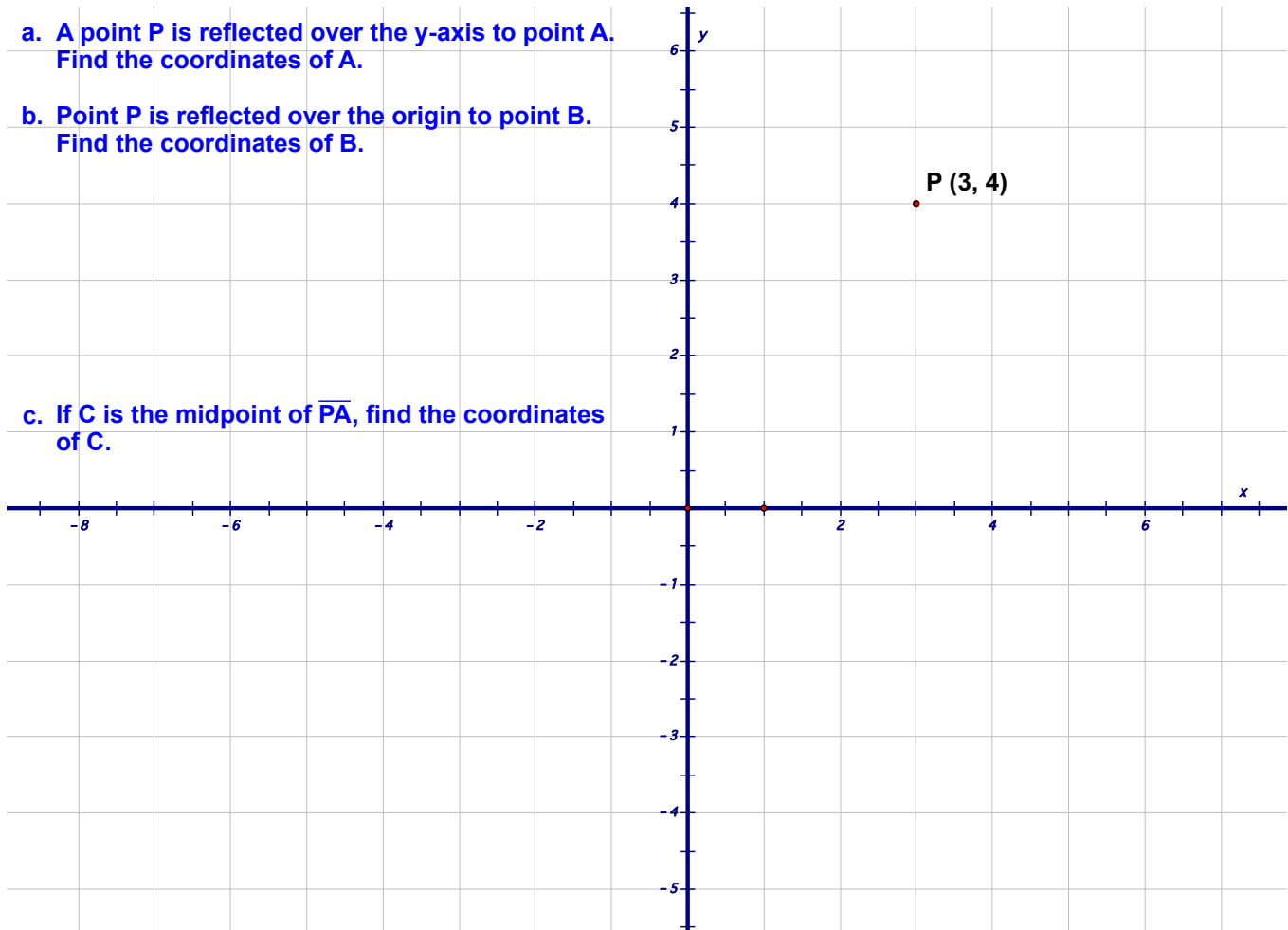
One of two supplementary angles is 70° greater than the second. Find the measure of the larger angle.

12.

a. A point P is reflected over the y-axis to point A.
Find the coordinates of A.

b. Point P is reflected over the origin to point B.
Find the coordinates of B.

c. If C is the midpoint of \overline{PA} , find the coordinates of C.



18.

If the larger of two supplementary angles exceeds 7 times the smaller by 4° . Find the measure of the larger angle.

21.

The supplement of an angle is four times the complement of the angle. Find the measure of the complement.

24.

Arnex has a 30° , a 60° , a 150° , a 45° , and a 135° angle in his pocket. He takes out two of the five angles. Find the probability that:

a. The two angles are supplementary

b. The two angles are complementary

25.

The supplement of an angle is 60° less than twice the supplement of the complement of the angle. Find the measure of the complement.