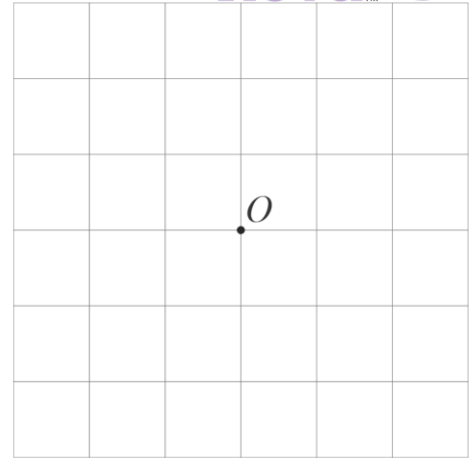


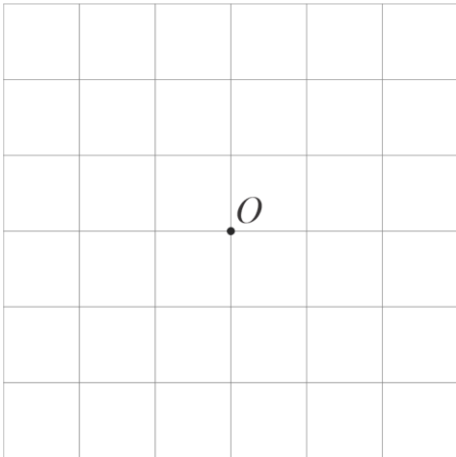
Math 5b. Classwork22.



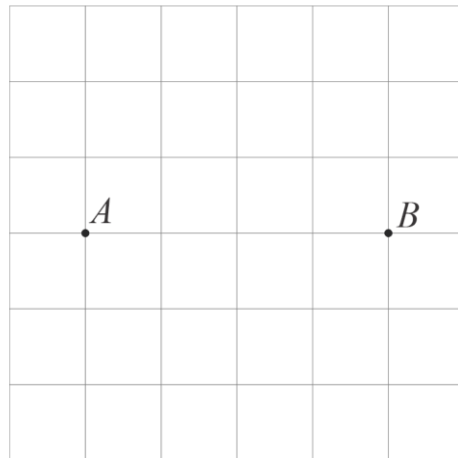
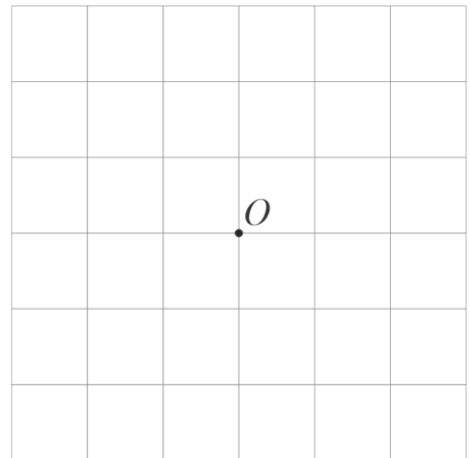
1. Mark all points that are at a distance of 2 from point O.



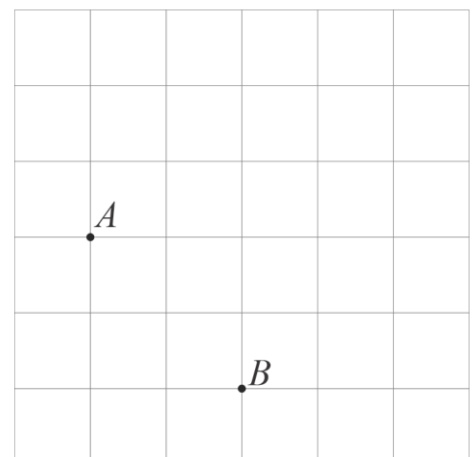
2. Mark all points that are at a distance off less than 2 from point O.



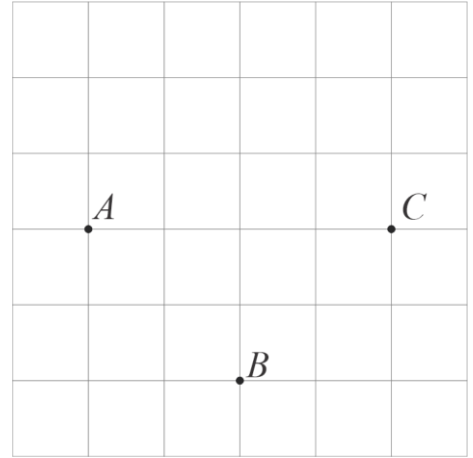
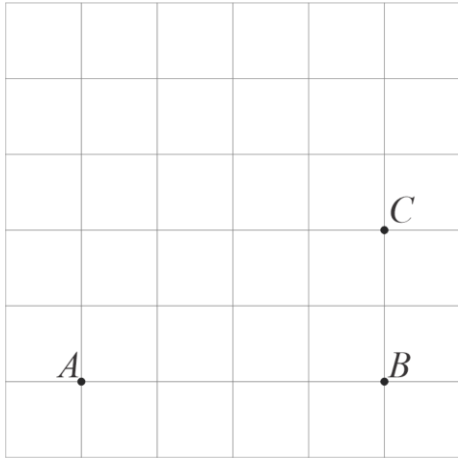
3. Mark all points that are at a distance off less than 3 but greater than 2 from point O.



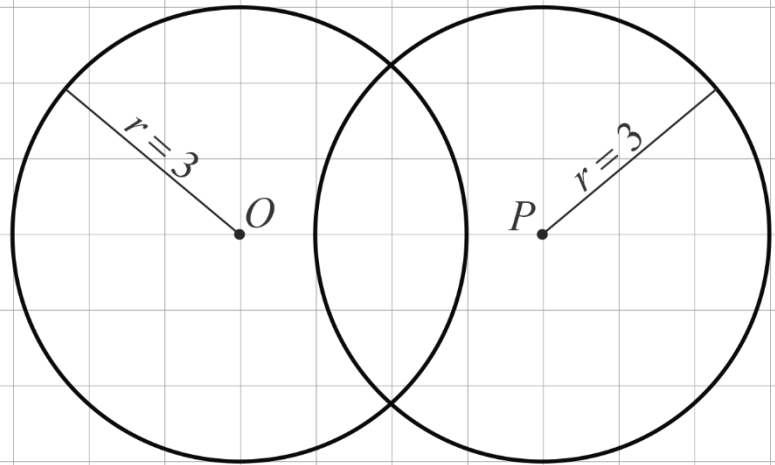
4. Mark all points that are equidistant from points A and B.



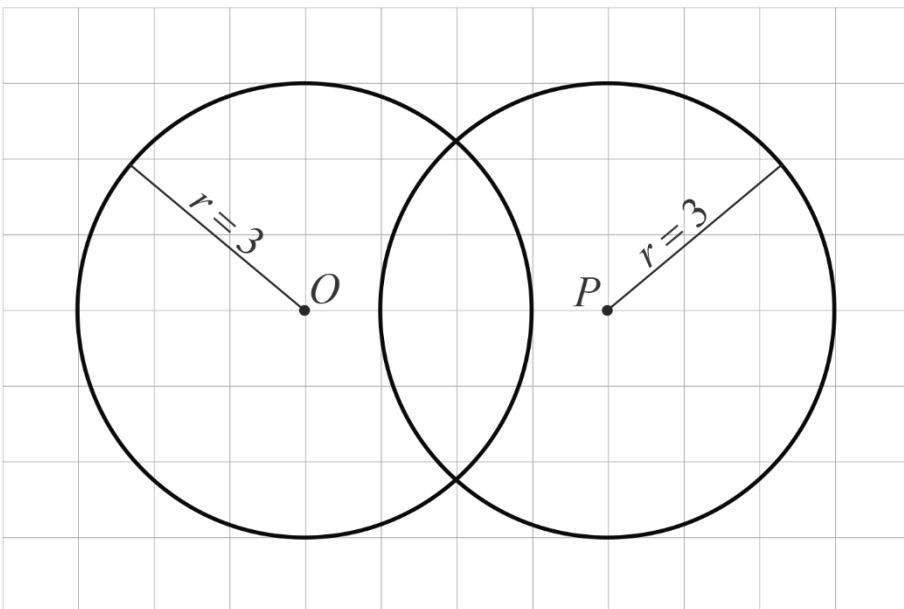
5. Mark all points that are equidistant from points A, B and C.



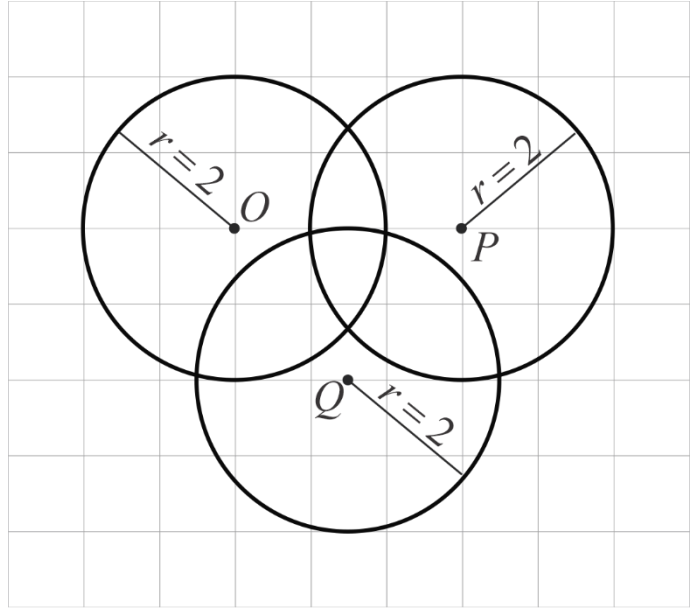
6. Shade the area where points are less than 3 cm from point O and less than 3 cm from point P.



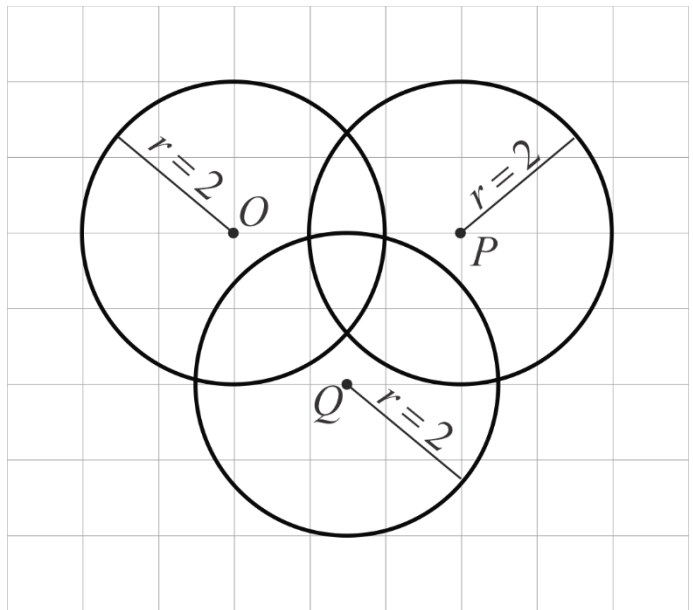
7. Shade the area where points are less than 3 cm from point O and more than 3 cm from point P.



8. Shade the area where points are less than 2 cm from point O, less than 2 cm from point P and less than 2 cm from point Q.



9. Shade the area where points are less than 2 cm from point O, less than 2 cm from point P and more than 2 cm from point Q.



Draw a circle. Draw a diameter. Mark the ends of the diameter with letters A and B. Mark an arbitrary point C on the circle and connect points C and A, as well as C and B,

as shown on the picture. Measure the angle $\angle ACB$. Mark a few other points on the circle.

Measure all angles $\angle AC(C', C'', C''')B$. What can you say? Try to explain your finding. Hint:

Draw the diameter from point C (you have to draw line \overline{CO}).

