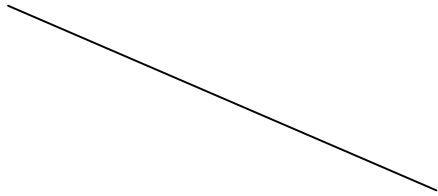


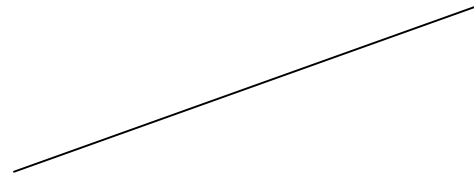
# GEOMETRIC CONSTRUCTION

SOLVE THE PROBLEMS BELOW. KEEP ALL GUIDELINES, TICK MARKS, ARCS, ECT., YOU MAY HAVE USED TO SOLVE EACH PROBLEM.

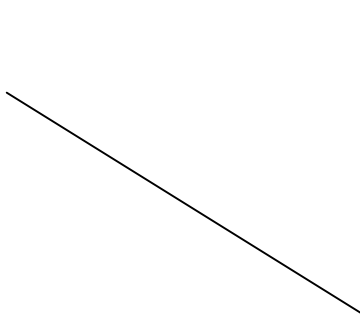
BISECT THE LINE USING THE COMPASS METHOD.



BISECT THE LINE USING A 45° TRIANGLE



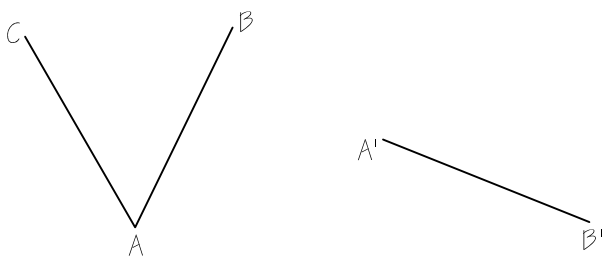
BISECT THE ANGLE USING A COMPASS



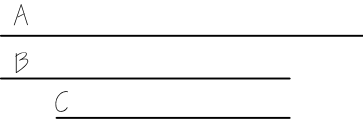
DIVIDE THE LINE INTO 5 EQUAL PARTS



TRANSFER THE ANGLE TO THE NEW LOCATION USING A COMPASS



DRAW A TRIANGLE WITH THE SIDES GIVEN, USING A COMPASS



DRAW A HEXAGON USING A COMPASS

DRAW A REGULAR PENTAGON USING A COMPASS

NAME \_\_\_\_\_

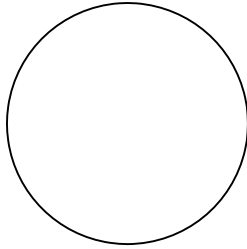
SCHOOL \_\_\_\_\_

DATE \_\_\_\_\_

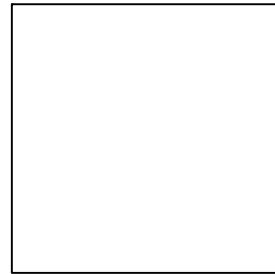
# GEOMETRIC CONSTRUCTION

SOLVE THE PROBLEMS BELOW. KEEP ALL GUIDELINES, TICK MARKS, ARCS, ECT., YOU MAY HAVE USED TO SOLVE EACH PROBLEM.

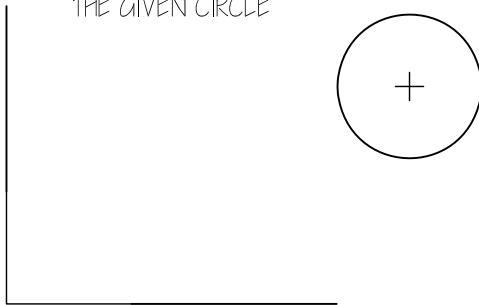
DRAW AN OCTAGON WITH THE GIVEN CIRCLE



DRAW AN OCTAGON WITHIN THE GIVEN SQUARE



DRAW A TANGENT ARC IN THE RIGHT ANGLE, USING THE RADIUS OF THE GIVEN CIRCLE



FIND THE CENTER OF THIS BOX USING YOUR TRIANGLE

DRAW THE FOLLOWING CONCENTRICALLY, ALL DIMENSIONS ARE MEASURED AS INSCRIBED ABOUT THE CIRCLE

4" OCTAGON

3" OCTAGON

2" HEXAGON

1-1/2" PENTAGON