

CONSTRUCTIONS: Set A

Due Date: _____

1. To construct a line segment congruent to a given line segment.
2. To construct the midpoint M of a given line segment AB.
3. To construct an angle congruent to a given angle.
4. To construct the angle bisector of a given angle.
5. To construct the line perpendicular to a given line at a specified point on the given line.
6. To construct the line that is perpendicular to a given line from a point not on the given line.
7. To construct the line parallel to a given line from a point not on that line.
8. To construct a 135° angle.
9. To construct a 22.5° angle.
10. To construct a 30° angle.
11. To construct a 75° angle.
12. To construct division of a given line segment into 8 congruent parts
13. To construct the three angle bisectors of a given triangle.
14. To construct the three perpendicular bisectors of a given triangle.
15. To construct the three medians of a given triangle.
16. To construct the three altitudes of a given triangle.
17. To construct a triangle given the three sides.
18. To construct a triangle given two sides and the included angle
19. To construct a triangle given two angles and the included side.
20. To construct a triangle given two angles and the non-included side.
21. To construct a right triangle given its hypotenuse and a leg.
22. To construct an isosceles right triangle given its hypotenuse.
23. To construct a regular hexagon given its side.
24. To construct a regular dodecagon given its side.
25. To construct a regular octagon given its side.