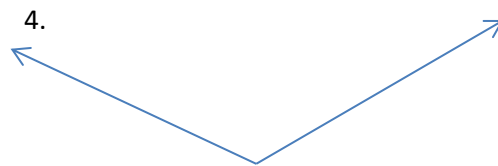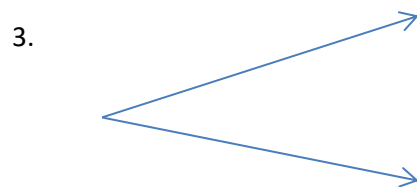Copy each segment and then construct a perpendicular bisector for each segment.
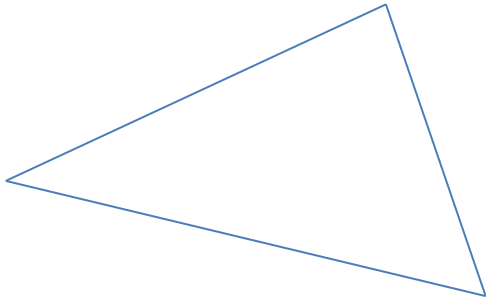
1.

2.

Copy and bisect each angle.

3.

4.
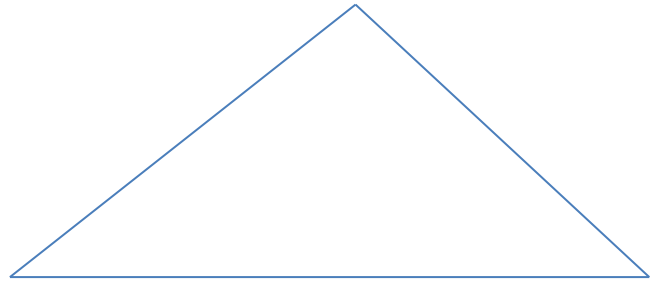
5. Use a protractor to draw a 73° angle. Then construct an angle congruent to it.

6. Use a protractor to draw a 60° angle. Then construct the bisector of the angle.

7. Bisect each angle of the triangle.

8. Construct the perpendicular bisector for each side of the triangle.
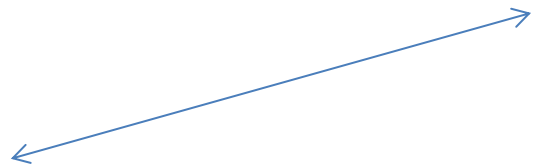
Construct a line parallel to the given line through the given point not on the line.

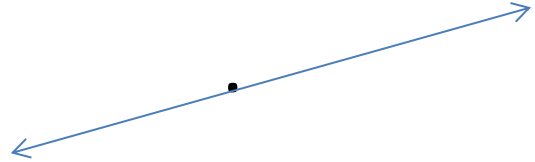9.

10.

Construct a line perpendicular to the given line through the given point.

11.   •   12.

Construct an equilateral triangle with side lengths congruent to segment AB.
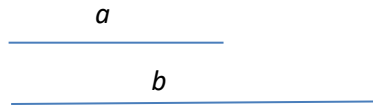
13.   14.

A   A

B   B

15. Construct a regular hexagon inscribed in a circle.   16. Construct a square ABCD given side AB.

A———————————. B

For questions 17-19, use the segments below.

a
_____

b
_____

17. Construct a rectangle with side lengths *a* and *b*.

18. Construct a rectangle with side lengths *a* and 2*b*.

19. Construct a quadrilateral with one pair of parallel opposite sides, each side of length 2*a*.