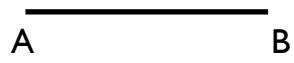
Name: _____ Date: _____ Row: _____ Period: _____

Assignment #: _____

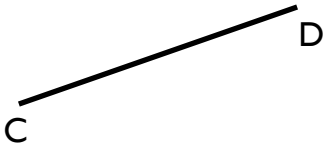
10.2 WORKSHEET

1-3: Construct the perpendicular bisectors of the following segments.

1)



2)



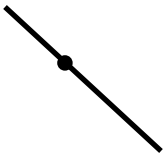
3)

4-6: Construct a perpendicular line to each line through the given point.

4)

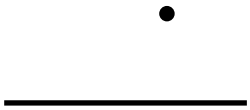
5)

6)

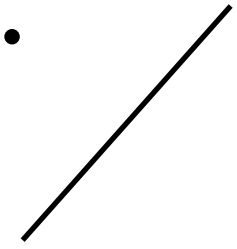


7-9: Construct a perpendicular line to each line through the point outside the line.

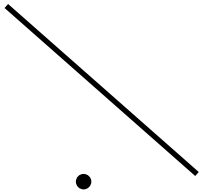
7)



8)

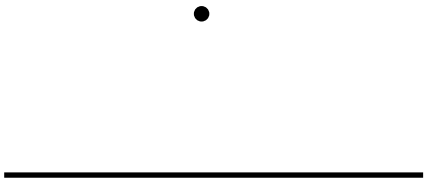


9)

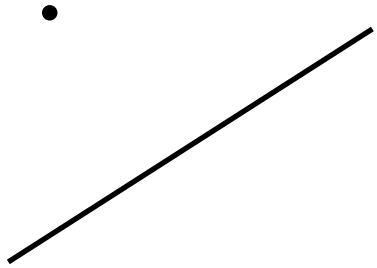


10-11: Construct a parallel line to the given line through the point outside the line.

10)



11)



12) Construct an equilateral triangle.

13) Construct the perpendicular bisector of $\overline{AB}$.

14-17: Use the constructions in problems 12 and 13 to create the following angles.

14) 150°

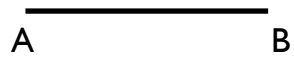
15) 105°

16) 75°

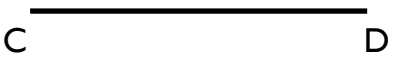
17) 135°

18-20: Given the following bases, construct different sized isosceles triangles.

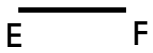
18)



19)



20)



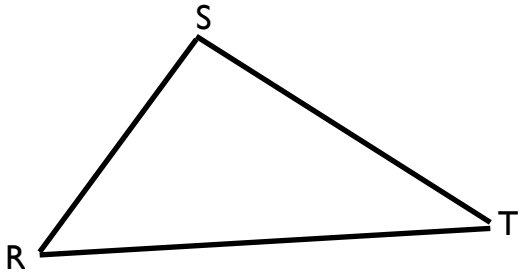
21-23: Given the following bases construct equilateral triangles.

21)

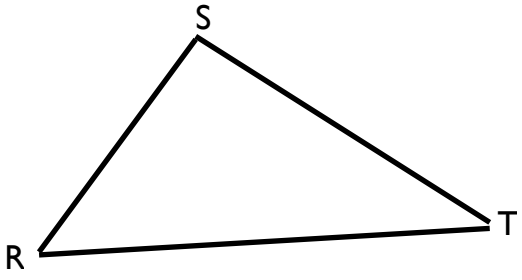
22)

23)

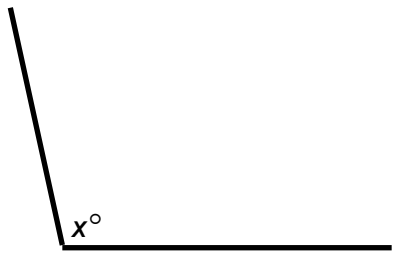
24) Construct the median through T

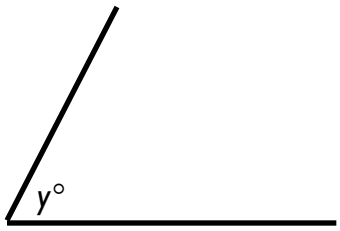


25) Construct the altitude through T



26) Construct an equilateral triangle.





27-31: Using problem 26 and the two angles above, construct the following angles.

27) 60°

28) 30°

29) 120°

30) $2y$

31) $x - y$