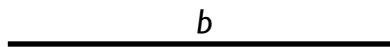
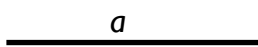


Name: _____ Date: _____ Row: _____ Period: _____

Assignment #: _____

10.1-10.2 WORKSHEET

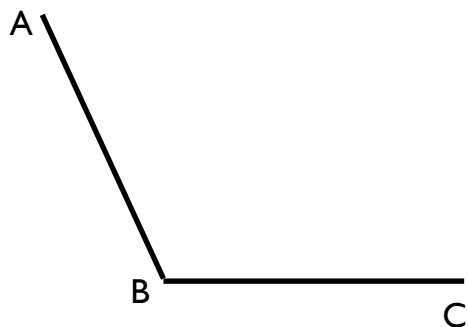
1-2: Given segments with lengths a and b , construct segments having the indicated lengths.



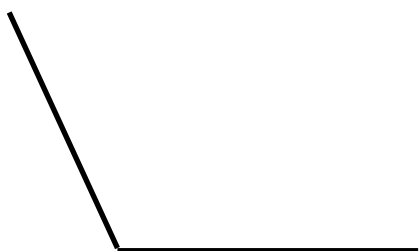
1) $2b - a$

2) $2a + b$

3) Construct $\angle XYZ$ such that $\angle XYZ \cong \angle ABC$



4) Bisect the given angle

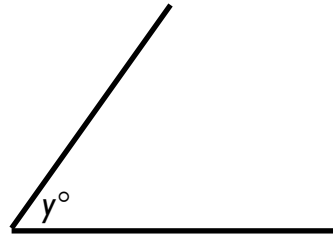
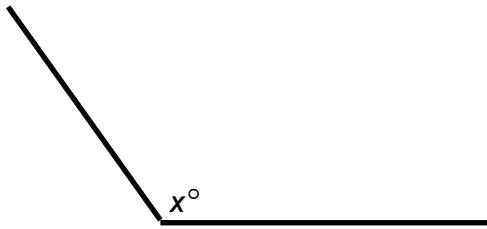


5) Construct an isosceles triangle.

6) Construct an equilateral triangle with sides of length a .

7) Construct a 30° angle.

8-9: Use the two angles shown to construct an angle having the indicated measure.

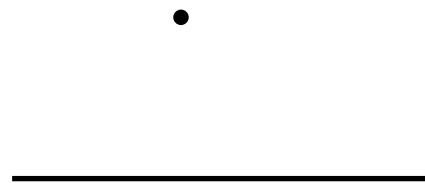


8) $3y$

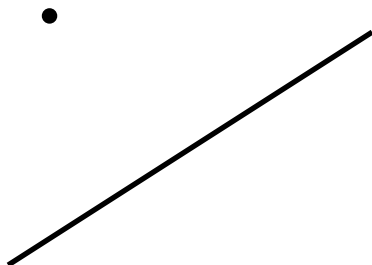
9) $x - y$

10) Construct a 45° angle.

11) Construct a parallel line to the given line through the point outside the line.



12) Construct a perpendicular line to the given line through the point outside the line.



13) Construct a perpendicular line to the given line through the point on the line.



14-17: Construct an angle with the indicated measure.

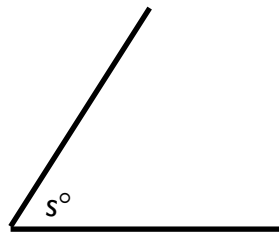
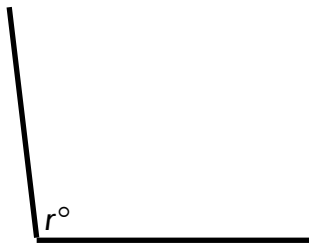
14) 90°

15) 135°

16) 22.5°

17) 67.5°

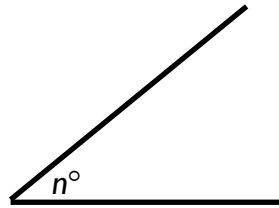
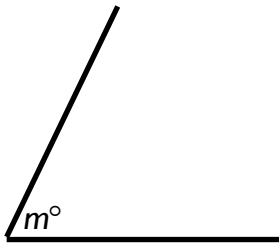
18-19: Use the two angles shown to construct an angle having the indicated measure.



18) $\frac{1}{2}r$

19) $\frac{1}{2}(r-s)$

18-19: Use the two angles shown to construct an angle having the indicated measure.



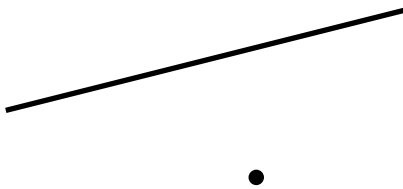
20) m

21) $m + n$

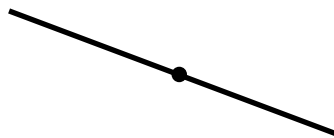
22) $2n$

23) $m - n$

24) Construct a perpendicular line to the given line through the point outside the line.



25) Construct a perpendicular line to the given line through the point on the line.



26) Construct a parallel line to the given line through the point outside the line.

