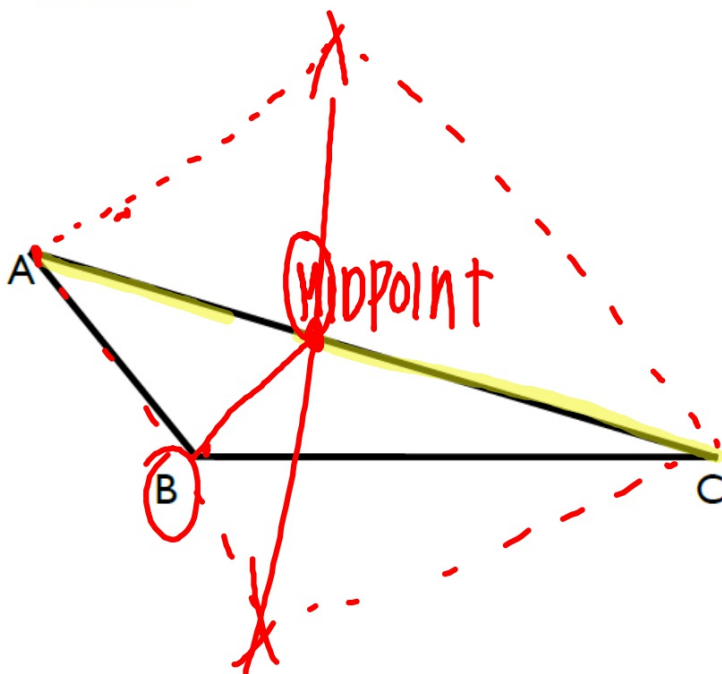


WARMUP

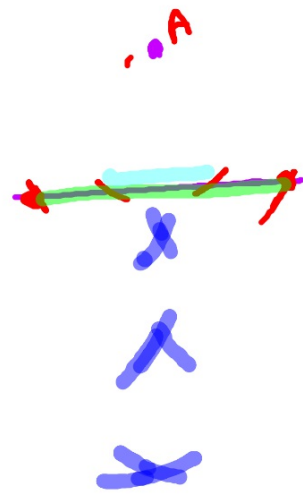
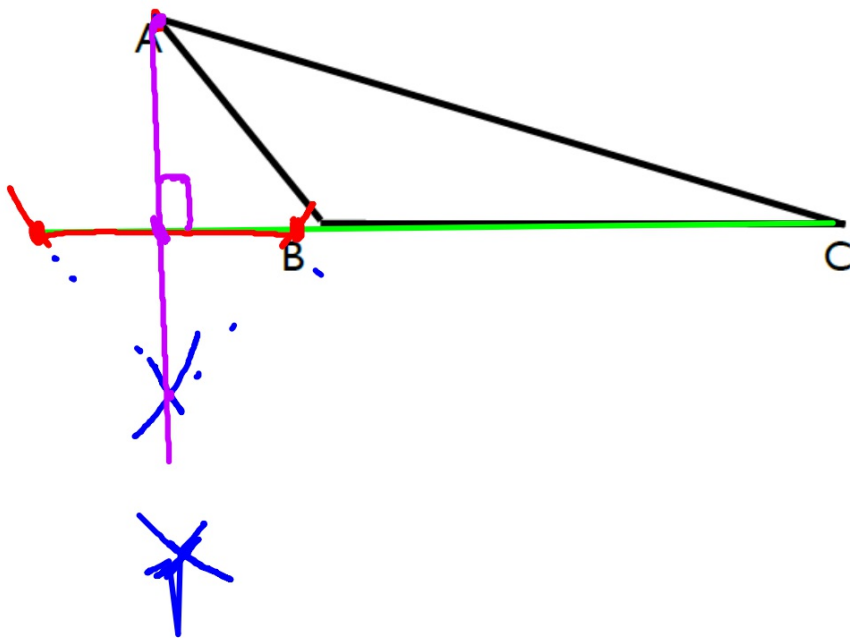
- 1) Construct the median of $\triangle ABC$ that contains vertex B.



(perp Bisect)
midpoint AC
connect B + MP

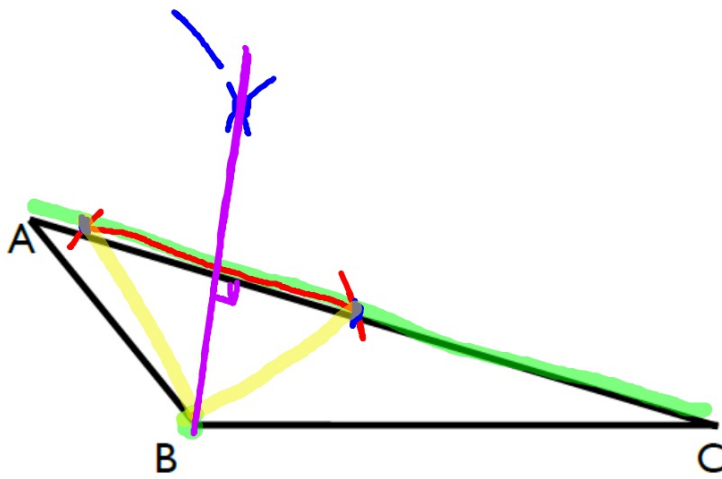
WARMUP

- 2) Construct the altitude $\triangle ABC$ that contains vertex A.



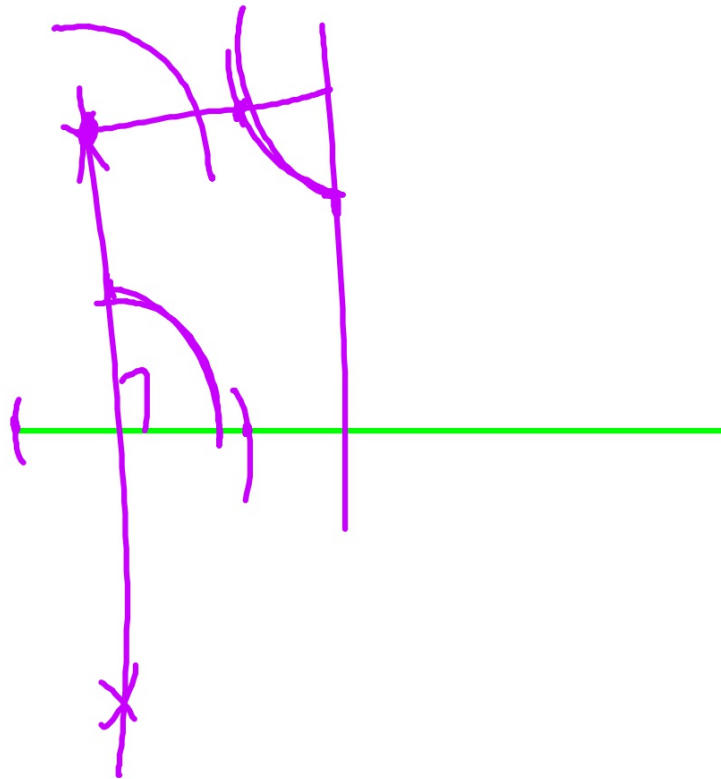
WARMUP

- 3) Construct the altitude $\triangle ABC$ that contains vertex B.



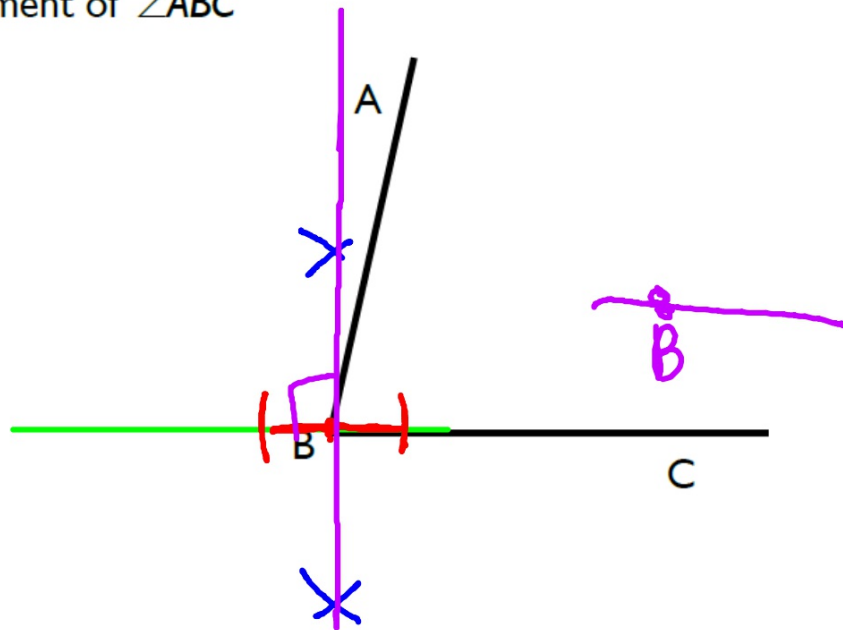
WARMUP

- 4) Construct a square whose sides each have length AB .

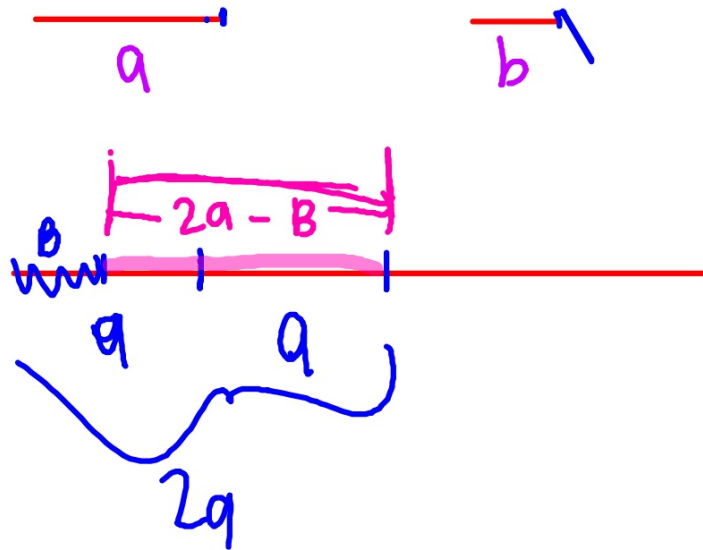


WARMUP

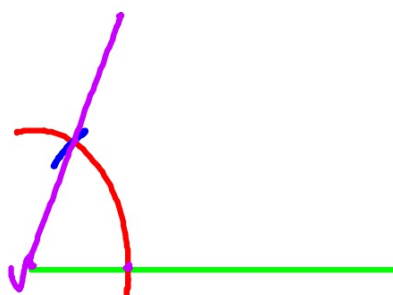
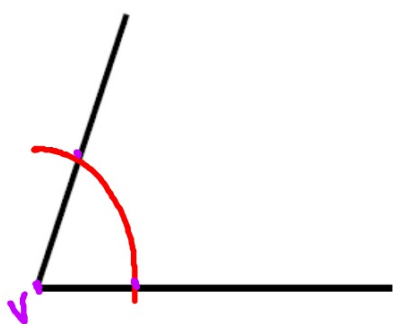
5) Construct a complement of $\angle ABC$



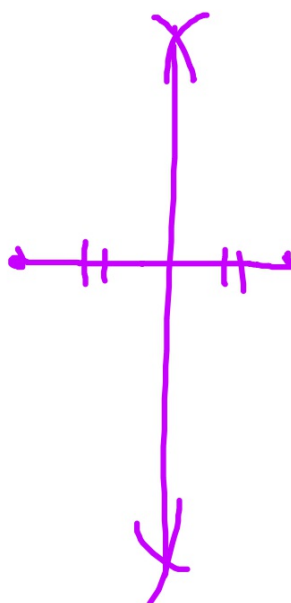
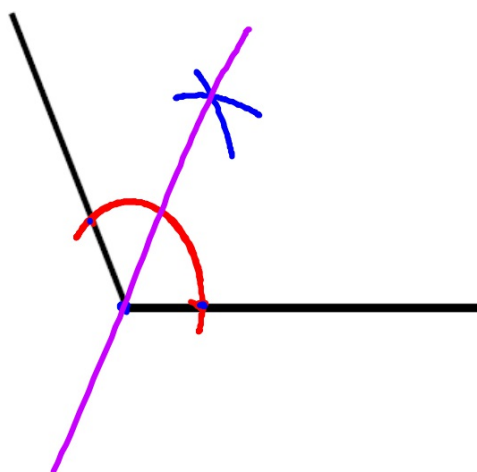
1) Given segments with lengths a and b , construct a segment having a length of $2a - b$



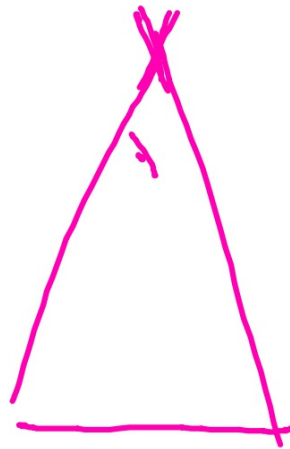
2) Construct an angle congruent to the given angle.



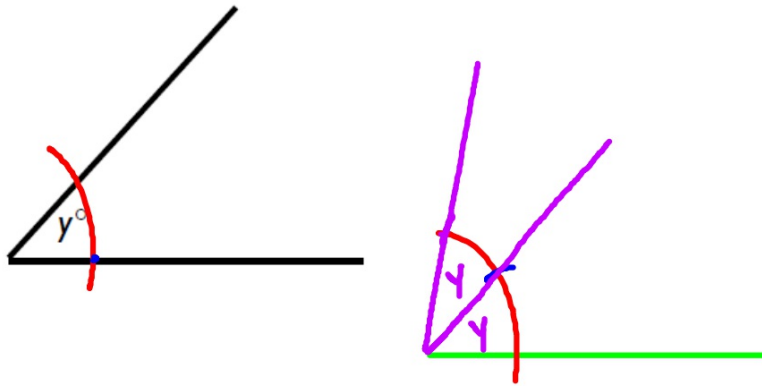
3) Bisect the given angle.



- 4) Construct a tall skinny isosceles triangle with base of length b .



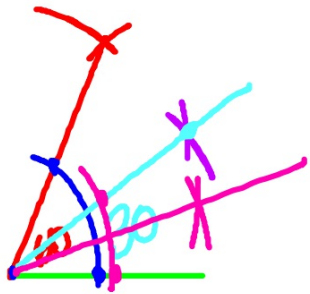
5) Given the following angle, construct an angle with measure of $2y$.



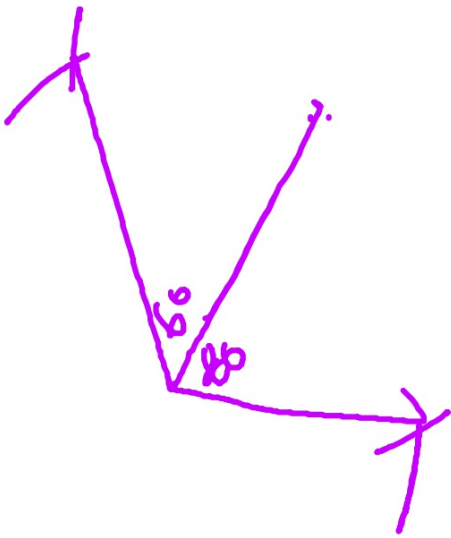
- 6) Construct an equilateral triangle with the given base.



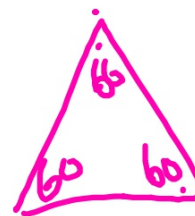
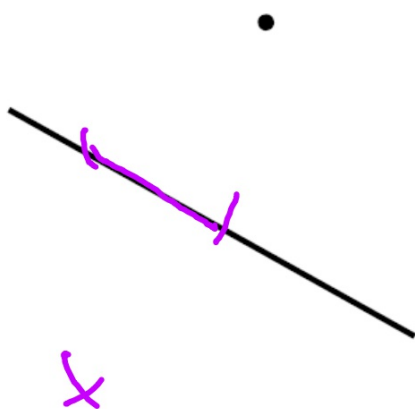
7) Construct a 15° angle.



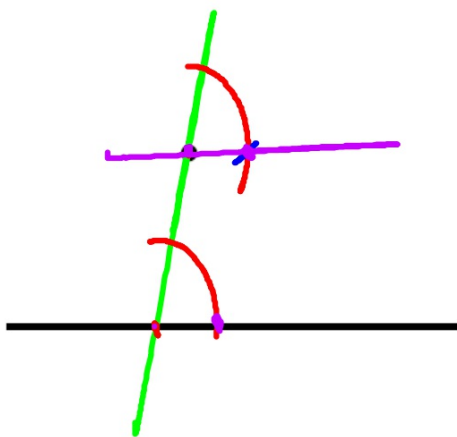
8) Construct a 120° angle.



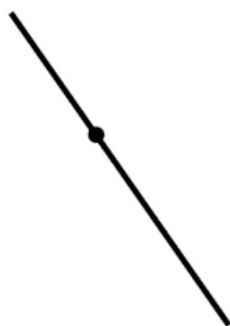
9) Construct a perpendicular line to the given line through the point outside the line.



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



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



HOMEWORK

Assignment #10.2b

- 10.1-10.2 Worksheet

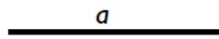
****THURSDAY - QUIZ 10.1-10.2****

****TUES MAY 8 - QUIZ CHAPTER 10****

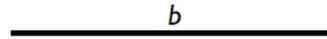
****THURS MAY 10 - TEST CHAPTER 10****

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

a



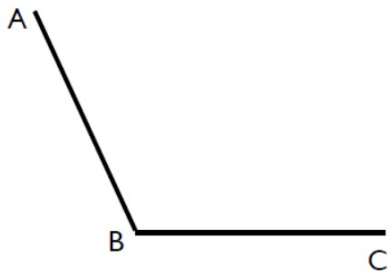
b



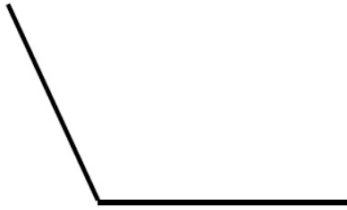
1) $2b - a$

2) $2a + b$

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



4) Bisect the given angle

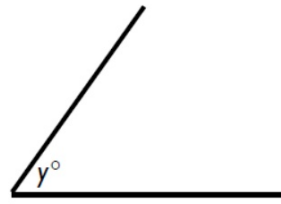
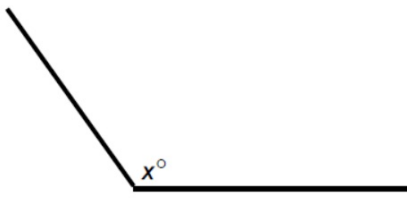


5) Construct an isosceles triangle.

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.

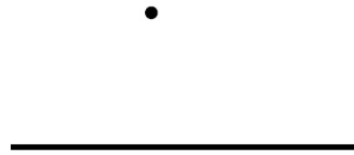


8) $3y$

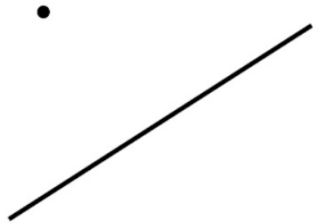
9) $x - y$

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.

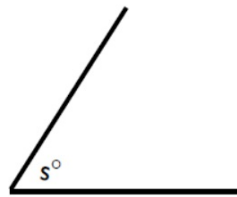
14) 90°

15) 135°

16) 22.5°

17) 67.5°

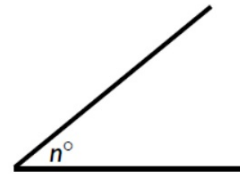
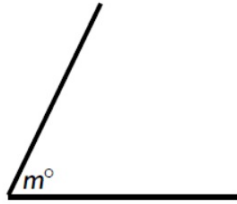
18-19: Use the two angles shown to construct an angle having the indicated measure.



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.



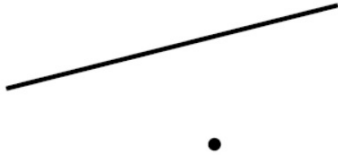
20) m

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.

