

Room E-10 Phone # 549-5126 Ms. Vowell
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www.cherylvowell.com

I. **Welcome to Geometry!**
 I am looking forward to our time together and I hope your child will have great success in this course. The following information is important for your child's success.

II. **Classroom Organization**
 We do work every single day. We will frequently have homework. All notes and assignments will be posted on my web site: www.cherylvowell.com Please check this frequently to make sure you are up to date.

III. **Supply list**
 -3-ring binder (.1 inch works best);
 -Loose leaf paper (**NO SPIRAL NOTEBOOKS!**);
 -Pencils (mechanical or wood; Try not to buy the composite pencils because **they eat pencil sharpeners!**)
 -1 highlighter

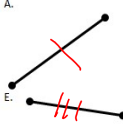
IV. **Classroom Agreements**


1. Choose to be present **I will not talk while Ms. Vowell is talking**
2. Be an active listener **or while another student is responding.**
3. Be part of the discussion
4. Understand that learning is a process, not an event

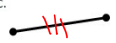
I will not make fun of another student's responses.


V. **Tutoring and Makeup Tests**
 Tutoring is offered EVERY morning and afternoon except Tuesday. It is not necessary to schedule to come, just show up! Tests can be made up at these times also.


1) Use the compass and determine which segments are the same length. (congruent)

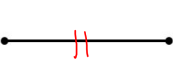
A. 

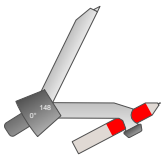
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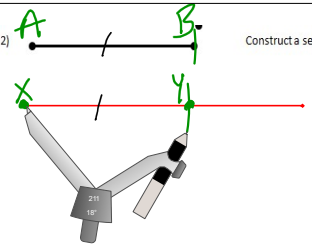
C. 

D. 

E. 

F. 



2)  Construct a segment congruent (same length) to the given segment.

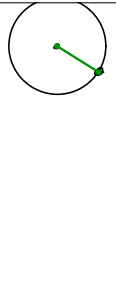
$\overline{AB} \cong \overline{XY}$

3) Describe how a segment and a line are alike and how they are different. (compare and contrast)

A line and a segment are alike because they are both straight. They are different because while a segment has 2 endpoints, a line is infinite with no endpoints.

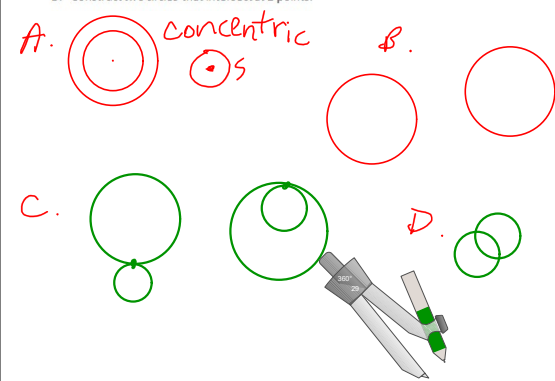
4) Use the compass and construct a circle of any size.
Place a point anywhere on the circle.
Draw a segment connect that point to the center of the circle.
What is this segment?

It is the radius



5) A. Construct any size circle. Using the same center, construct a circle of a different size.
B. Construct two circles that do not intersect.
C. Construct two circles that intersect at 1 point.
D. Construct two circles that intersect at 2 points.

A. Concentric circles



Worksheet Protractor Usage
Find the measure of each angle using a protractor.

1) $m\angle 1 = 115$ obtuse

2) $m\angle 2 = 45$ acute

3) $m\angle 3 = 90$ Right

4) $m\angle 4 = 117$
 $m\angle 5 = 63$
 $m\angle 6 = 117$
 $m\angle 7 = 117$
 $m\angle 8 = 63$
 $m\angle 9 = 75$
 $m\angle 10 = 75$
 $m\angle 11 = 105$

5) $m\angle 12 = 50$
 $m\angle 13 = 90$
 $m\angle 14 = 40$

$6x + 60 = 180$
 $-60 \quad -60$
 $6x = 120$
 $\frac{6x}{6} = \frac{120}{6}$
 $x = 20$

~~$90 = \frac{1}{2}(x+10)$~~

$180 = x + 10$
 $-10 \quad -10$
 $170 = x$

$10x + 3 = 8x - 24$
 $-8x \quad -8x$

$2x + 3 = -24$
 $-3 \quad -3$

$\frac{2x}{2} = \frac{-27}{2}$
 $x = -\frac{27}{2}$