

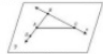
Good afternoon

Please get a pen/highlighter if you need one from my desk

Please have out your "Grade Sheet" when the bell rings

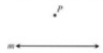
Honors Geometry – 1st Quarter Assessment Grades Name:
Key: CO – Congruence GPE – Expressing Geometric Properties with Equations
Most recent grade entered in Powerschool. Two consecutive scores of 3 or higher required. Each standard is assessed in class at least twice. Re-taking an assessment requires proof of completed homework. Full standards on web at: <http://j.mp/tenngeometry>

CO-A1a: Point/Lines/Planes: I know precise definition of line segment, based on the undefined notions of point, line, and distance along a line.



Date					
Score					

CO-A1b: Types of Lines: I know the precise definitions of parallel and perpendicular lines based on the undefined notions of point, line, and distance along a line.



Date					
Score					

CO-A1c: Angles and Circles: I know precise definitions of angles and circles, based on the undefined notions of point, line, and distance along a line, and distance around a circular arc.



Date					
Score					

CO-D12a: Constructions 1: I can make formal geometric constructions including: copying segment and angle, midpoint, perpendicular bisector, and angle bisector.



Date					
Score					

this thing



Reminders

- tutoring today 4-5p
- can reassess in DS Wed, Fri of this week or next week

Tests are being passed back

Please record your grades on the grade sheet. Please keep tests out, we will go over them together

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Date					
Score					

4 Advanced, 96

3 Proficient, 86

2 Basic, 66

1 Below Basic, 50

got a 1 or 2 ^{or 3} on
either or both sides?

Retest in DS!!!

Growth Mindset: Which are you?



*Mindset: The New
Psychology of Success.*
Carol Dweck (2006)

**I can learn anything I want to.
When I'm frustrated, I persevere.
I want to challenge myself.
When I fail, I learn.
Tell me I try hard.
If you succeed, I'm inspired.
My effort and attitude determine everything.**

**I'm either good at it, or I'm not.
When I'm frustrated, I give up.
I don't like to be challenged.
When I fail, I'm no good.
Tell me I'm smart.
If you succeed, I feel threatened.
My abilities determine everything.**

Reassessment

Happens in directed studies or after school tutoring. Can do it:

- Today after school
- Wed DS, Fri DS
- Any DS next week except Weds.

Bring your hw with you! Come knowing what it is you need to retake and which hw to show me.

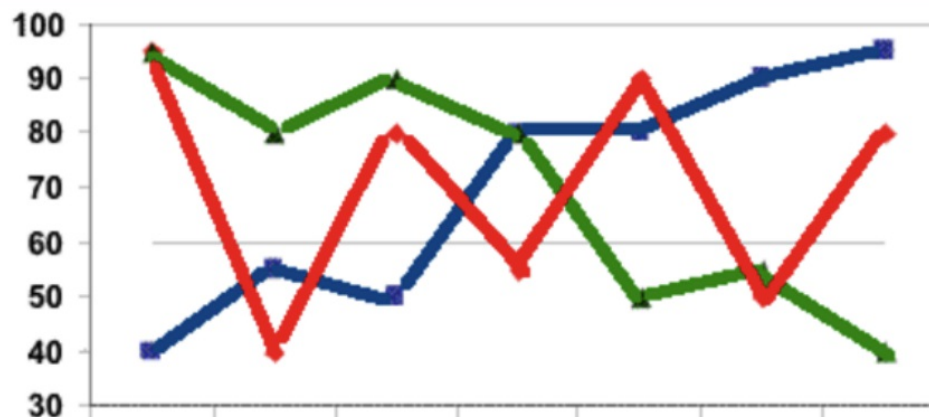
Must get a 3 or above two times in a row for me to change the grade in PS.

How to use Powerschool

Success

Success

Who packs your parachute?



	1st Try	2nd Try	3rd Try	4th Try	5th Try	6th Try	7th Try
◆ Student A	95	40	80	55	90	50	80
■ Student B	40	55	50	80	80	90	95
▲ Student C	95	80	90	80	50	55	40
— Mastery	60	60	60	60	60	60	60

what people think
it looks like

Segment Addition

Please do #5bc on p 40 of your textbook

5. Use the Segment Addition Postulate and the given information to complete each statement.

b. If Q is between R and T , $RT = 24$ cm, and $QR = 6$ cm, then $QT = \underline{\hspace{2cm}}$.

c. If P is between L and A , $PL = x + 4$, $PA = 2x - 1$, and $LA = 5x - 3$, then $x = \underline{3}$ and $LA = \underline{\hspace{2cm}}$.

$$5(3) - 3$$

$$\begin{array}{r} 5x - 3 = x + 4 + 2x - 1 \\ 5x - 3 = 3x + 3 \\ -3x \quad -3 \quad -3x \quad -3 \\ \hline 2x = 6 \quad x = 3 \end{array}$$

The diagram shows a horizontal line segment with endpoints L and A . A point P is located between L and A . The segment LP is labeled $x+4$ and the segment PA is labeled $2x-1$. A bracket below the entire segment LA is labeled $5x-3$.

Recall from yesterday's construction:

(notes) $x \approx 3$
 $x \neq 3$

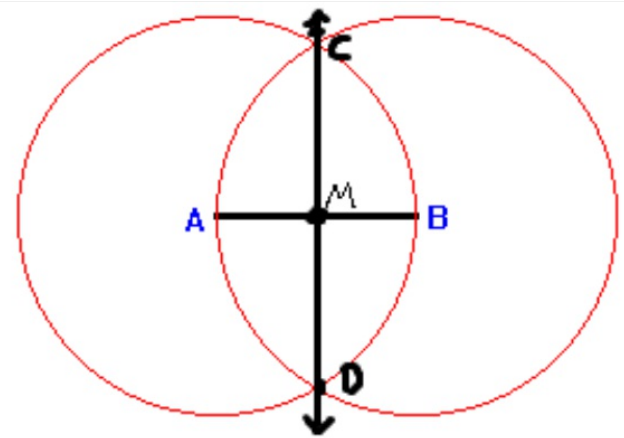
perpendicular: to cross at 90°



bisect to cut in half, making 2 congruent pieces.

congruent****

\cong identical; the same as
"equals" but for shapes)



$\overline{AM} \cong \overline{MB}$
↑
"congruent to"

circumcenter?
midpoint, congruence
midpoint algebra
angle bisector
distance formula?

Circumcircle

1. Construct equilateral triangle ABC (our first construction).
2. Construct the perpendicular bisector of AB. (yesterday's construction)
3. Construct the perpendicular bisector of BC.
4. Mark the point where the bisectors cross as Z.
5. Needle on Z, pencil A, B, or C...make the circumcircle!

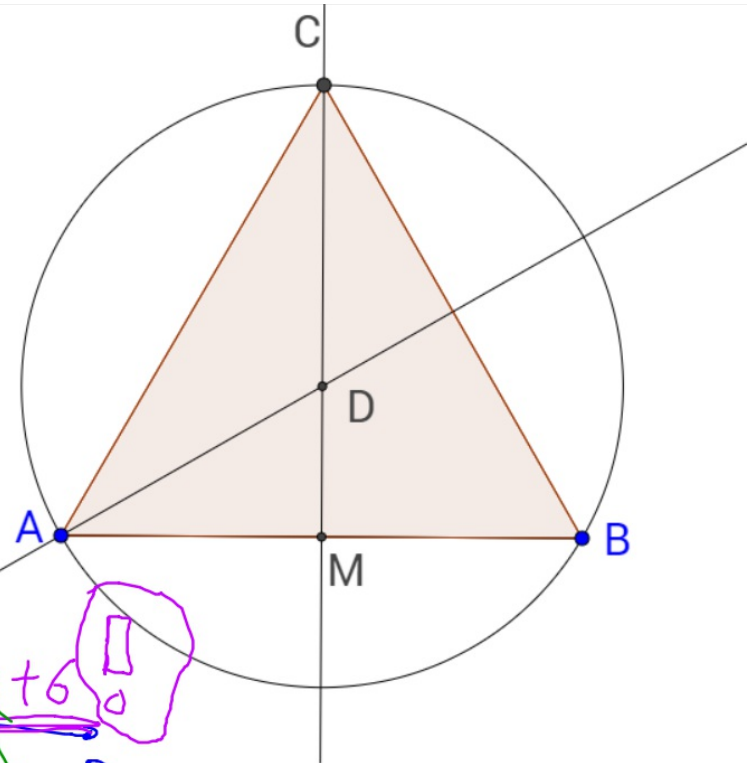
Midpoint

How can you use the idea of segment addition along with a midpoint to solve problems?

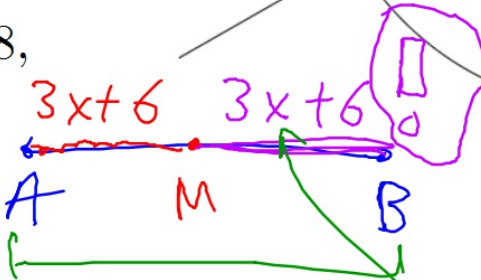
Point M is the midpoint of AB.

If $AM = 3x+6$ and $AB = 2x+8$,

find the length of MB.



~~$3x+6 = 2x+8$~~



$$3x+6 + 3x+6 = 2x+8$$

$$6x+12 = 2x+8$$

$$4x = -4$$

$$x = -1$$

$$3(-1) + 6$$
$$= -3 + 6$$

$$\textcircled{3}$$

A geologist is examining an unknown rock. One of her instruments rates its hardness as 5 on the Mohs scale. Her other instrument measures a value of 9. Both instruments are otherwise identical, so how can she use a single number to rate the rock's hardness?



$$\frac{9+5}{2} = \frac{14}{2} = \textcircled{7}$$

Where is the average "located"?



Do p 42 #13

13. Use the number line to solve each problem.



- a. What is KL ? (what is its length) 24
- b. What is the coordinate of the midpoint of KL ? 3
- c. Point C lies between points K and L . The distance between points K and C is $\frac{1}{3}$ of KL . What is the coordinate of point C ? -1
- d. Point N lies between points C and L . The distance between points C and N is $\frac{3}{4}$ of CL . What is the coordinate of point N ?

$$15 - 9 = 15 + 9 =$$

$$-9 + 15 = \frac{6}{2} = 3$$

6

Tell your face partner something
you have learned so far today

Homework

p. 49 #2, 7, 8, 14, ~~18~~, 19

[CO-D12a]

Remember: notes from the board + video examples to help with hw are always posted at mgeo.weebly.com

Something to look forward to....

Origami on Thursday!

Bring square post-it notes (if possible)