ALL Geometry - Surface Area

Q4 April 12 started -
Mrs. Pletcher
Pd 3 CP Pd 4 & 5 Regular

Schedule: Geometry April 15-19

Monday (A day - homeroom 9th)

- Period 3 --- Start problems from the Packet as directed on slide for Day 2
- Period 4 & 5 --- collect notes on volume and do the Friday Surface Area introduction as directed on Day 1 of slides

Tuesday

- Period 3 --- Day 3 slide on slant height versus altitude and complete pages in packet
- Period 4 & 5 --- Day 2

Wednesday

- Period 3 --- Day 4 slide on composite solid's surface area
- Period 4 & 5 --- Day 3

Thursday --- (FBLA students take the past volume test in class if needed or 9th pd.)

- Period 3 --- Day 5 - review with cutout composite solids
- Period 4 & 5 --- Day 4

Friday

- Period 3 --- Day 6 TEST
- Period 4 & 5 --- Day 5 Review with test on Monday or Tuesday next week

Day 1: Surface Area - shell of outside faces of shape

Do Student journal pg. 313

Given state formula sheet ---- prism, pyramid, cone, cylinder, sphere

Specific solids such as triangular prism --- think of each face area

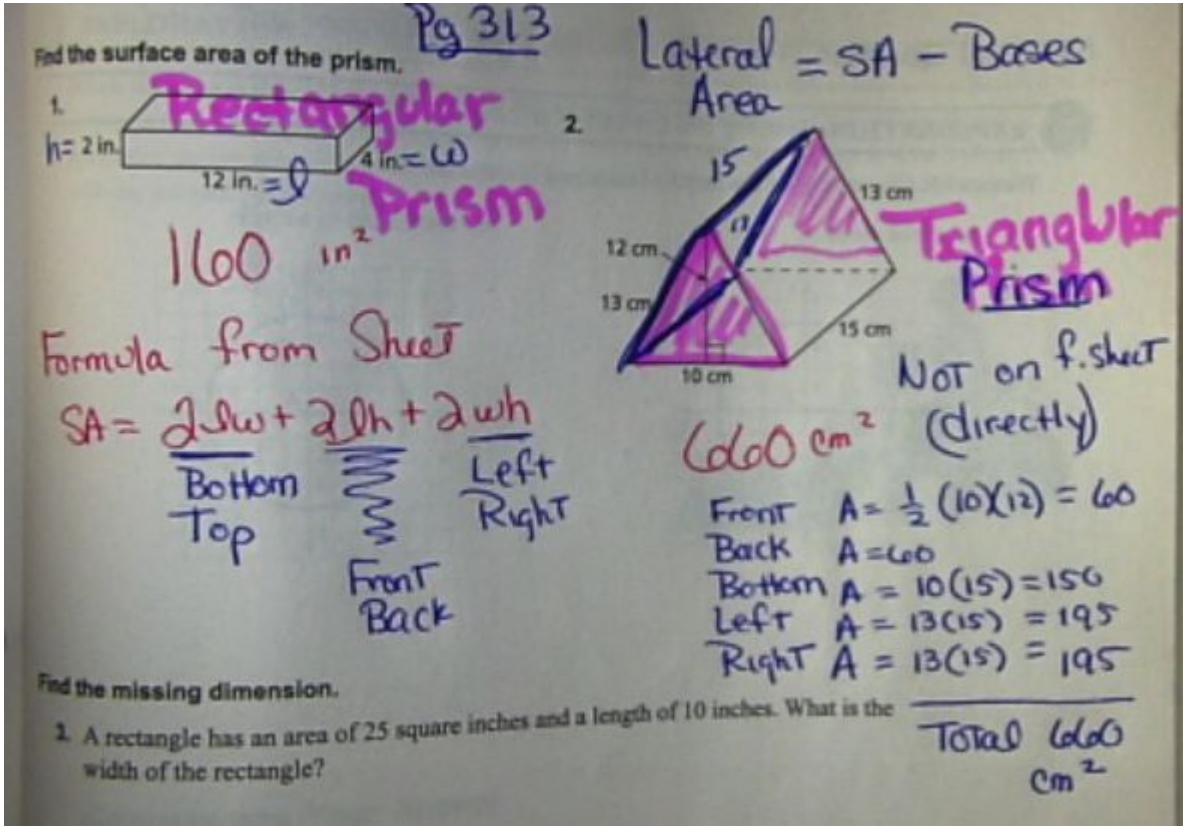
Composite Shapes -

-- think about removing covered areas that are “inside” shell.

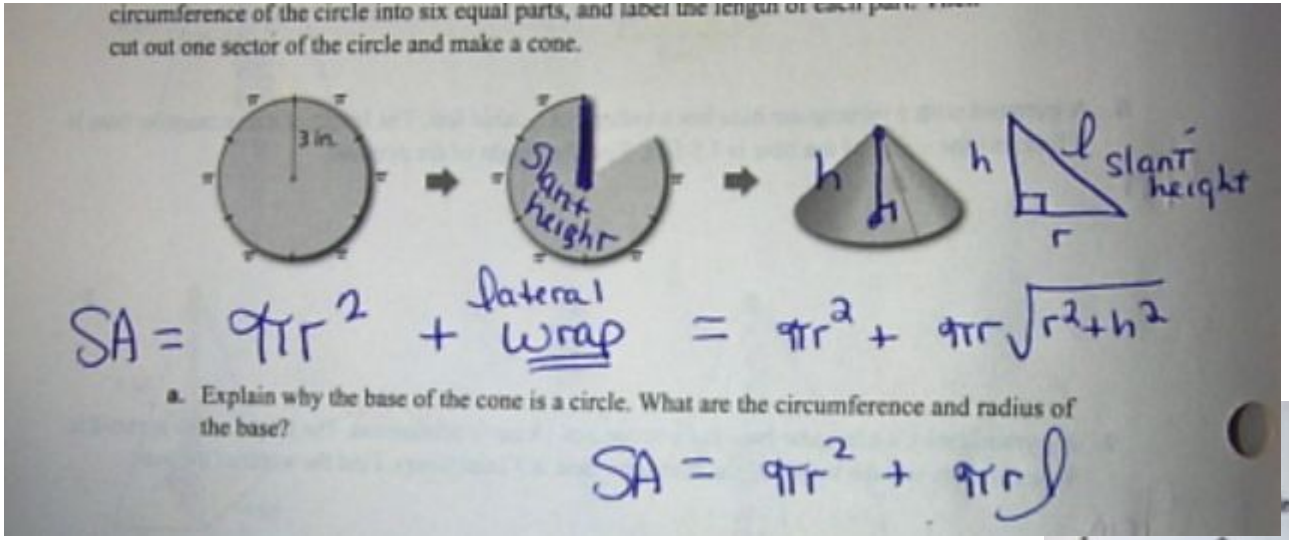
Do Student Journal pg. 344 To discuss cone’s surface area pieces.

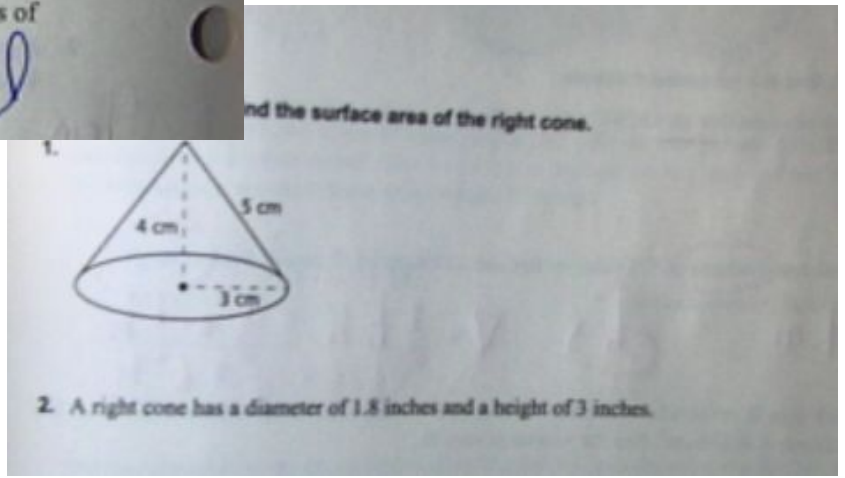
Link to cylinder and continue to pg. 347 & 249

Review of Prism Surface Area - piece by piece



11.7 Cone Surface area has slant height needed vs altitude





SJ 11.8 Sphere

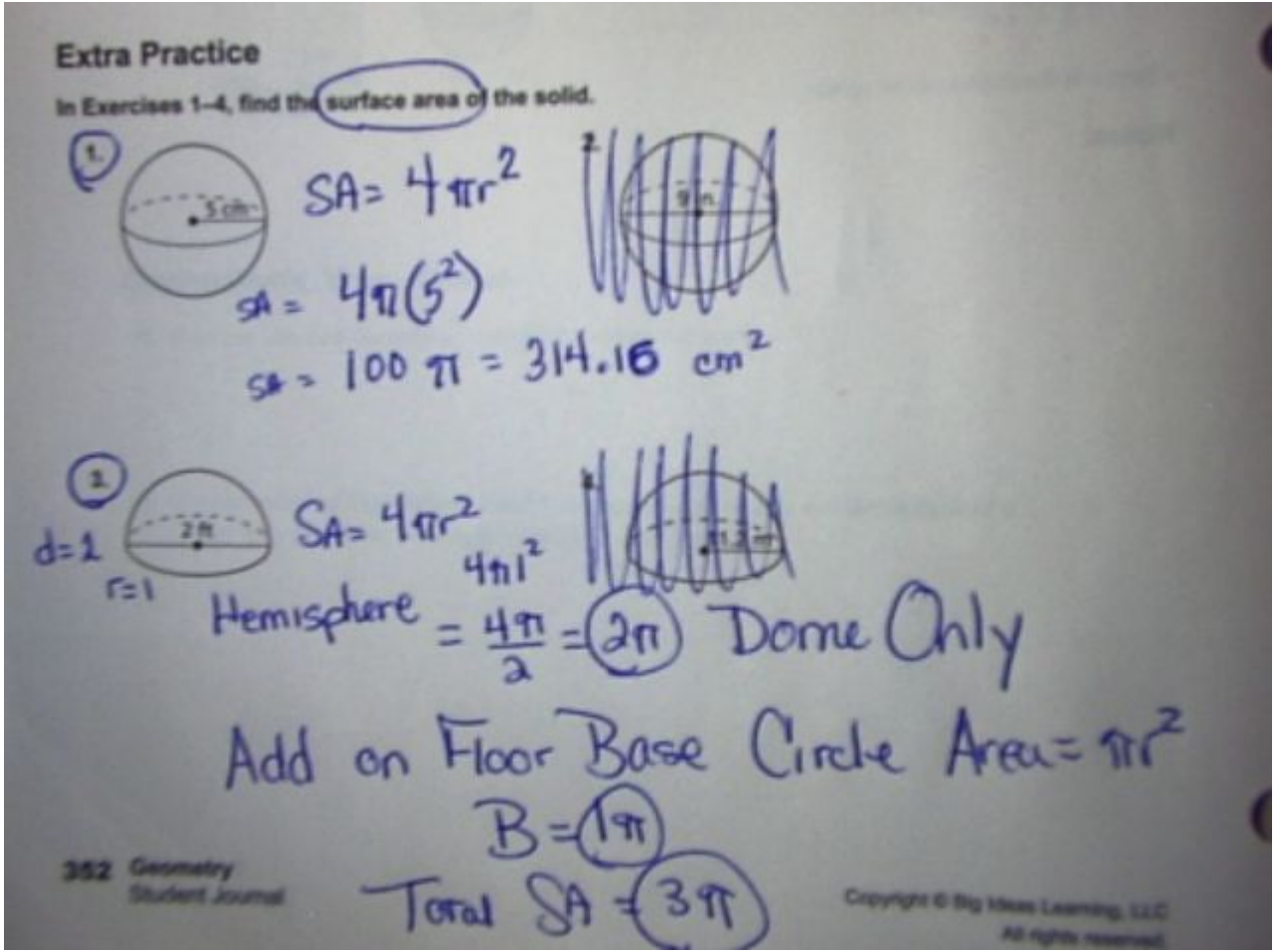
Hemisphere

Do you want only the

Top dome

Or

Include a base circle



Day 2: Surface area slant height from altitude in pyramids

Warmup: Packet page 3 side and 4 on naming it from the “nets”

Label the slant height and measures of some to make it more descriptive.

If needed, use edpuzzle as example
https://edpuzzle.com/media/656888afa2a33541877ff62b

Practice work in packet from page side 1 & 2 is a kuta software sheet so youtube videos if needed.

Day 3: Composite Shapes -- covered faces to subtract

Use handout page 6th side and reference example 3 on it for notes.

Do #2 cone on a cylinder surface area which links to 6.6 Exercise #1,2 side 7 in packet

Students do #3 of prisms stacked.

Continue with # 3-11 and complete as homework.

Day 4: Cutout composite solids & surface area exposed

See last side (8 of packet) on composite solids - discuss # 18 on stacked cubes.

Discuss and find the surface area of exercises #15 - 17

Assign 11.5, 11.7 & 11.8 online with work to show on paper for credit.

Day 5 Review -- TEST on Day 6 on surface area