

Geometry Ch. 12 project

(1/2 test grade)
Due Fri 9:15 am

Handout

Will work in class today, after quiz Wed., other time on your own.

Also: Quiz 12.8 Wed.
Test Ch. 12 Fri.

Create a poster illustrating the solid shapes covered in Chapter 12:

Prism

Regular Pyramid

Cylinder

Cone

Sphere

For each solid listed, include the following:

- Name of the shape
- Drawing showing edges, vertices, other relevant info (h, l, etc.)
- Example (photo or drawing)*
- Surface area formula(s) LA & SA
- Lateral area and Surface area problem (and solution)
- Volume Formula
- Volume problem (and solution)
- Anything else needed to solve LA/SA and V problems (units, etc.)

*Possible bonus (+1 pt. each shape)

Substitute 3-D shape instead of photo/drawing

Criteria:

- Mathematical Accuracy
- Completeness (all parts included)
- Neatness, visual appeal
- 10 points each shape x 5 = 50 pts.
- -1 point for each error
(spelling, formula, calculation, rounding,
label, unit, etc.)

