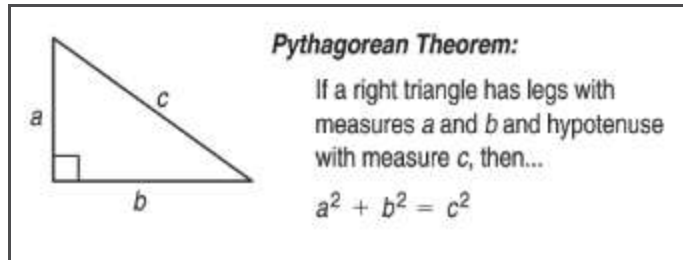Flexible Instructional Day --- #1

Use your HARD textbook Geometry Book ----

Objective: Use the pythagorean theorem to determine the hypotenuse length, a leg side length, or if the given sides make a right triangle.

Lesson ---
Copy Examples from textbook PG. 464 - 466 # 1, 2, 4

Pythagorean Theorem:
If a right triangle has legs with measures a and b and hypotenuse with measure c, then...
$a^2 + b^2 = c^2$

OR
Watch and copy the examples on video app -
- https://google.zoom.us/client_google_signin?code_challenge=9Y9n1gUGyA3KBKAE2Iw E7NzFkACfNnsq3IJS6DToJKA%3D&ver=5.16.10.26186&mode=token2

- https://static.bigideasmath.com/protected/content/hs_tut/geo/c09/01/HSCC_Geom_09_0 1_ee2/HSCC_Geom_09_01_ee2.html

- https://static.bigideasmath.com/protected/content/hs_tut/geo/c09/01/HSCC_Geom_09_0 1_ee4/HSCC_Geom_09_01_ee4.html

Practice ---
Pg 468 - 469   #1-20   Use the Formula Pythagorean Theorem

Students are to show work on paper from these problems.
- Students with Internet access may be able to check all answers using the online textbook site in the assignments tab.
- Students without access can use the back of their textbook for selected answers.

Flexible Instructional Day --- #2

Use this worksheet and video on applying the Pythagorean Theorem to work with application in area of basic figures----
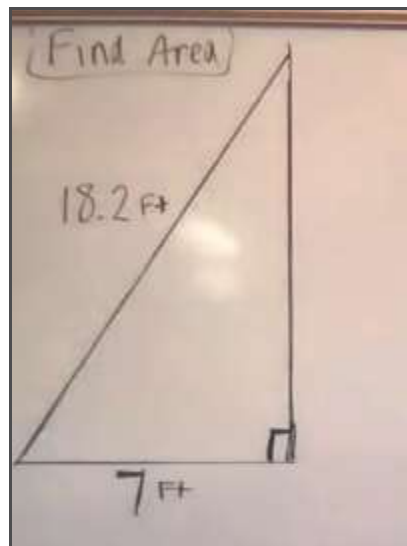
Objective: Use the pythagorean theorem to determine a leg side length then find area.
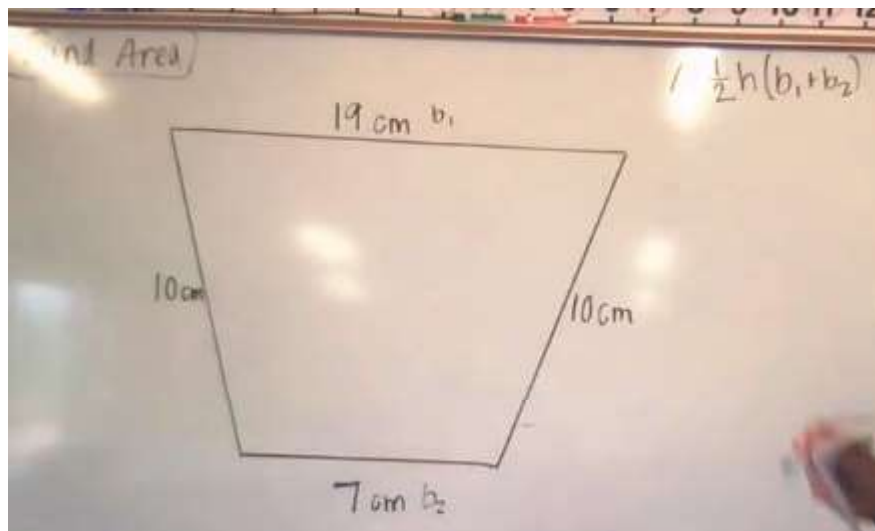
Lesson ---
In google classroom is the **link** for a EDPUZZLE video of 10 minutes showing how to do the examples.

- Step 1: Find the height with use of Pythagorean Theorem
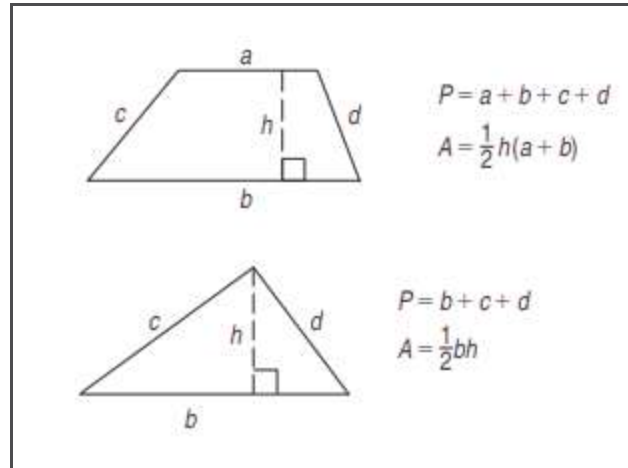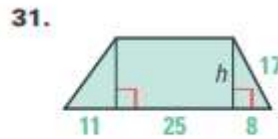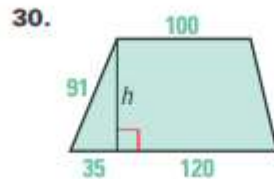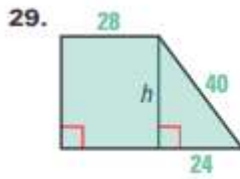- Step 2: Use the height with the area of a triangle

Example:

Example:

Practice:
Use the formulas to solve these problems.

$$P = a + b + c + d$$
$$A = \frac{1}{2}h(a + b)$$

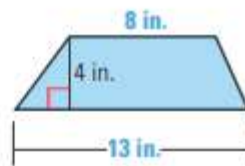$$P = b + c + d$$
$$A = \frac{1}{2}bh$$

You must show your work for each problem in the 1 to 2 main steps for each problems.

Using the Pythagorean Theorem Find the height using the Pythagorean Theorem and a calculator. Then find the area of the trapezoid.
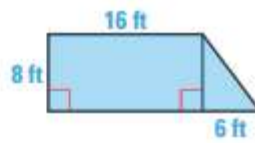
29.

30.

31.

32. Multiple Choice What is the area of the trapezoid?

Ⓐ 25 in.²   Ⓑ 42 in.²

Ⓒ 68 in.²   Ⓓ 84 in.²

33. Multiple Choice What is the area of the trapezoid?

Ⓕ 88 ft²   Ⓖ 128 ft²

Ⓗ 152 ft²   Ⓙ 176 ft²