TEXAS
INSTRUMENTS

It's easy to just plug in the numbers without thinking, right? Even better, just use the calculator to find the area for you! Well, not today! Students will construct altitude and calculate the area of 5 geometric shapes using the measurement tools.

You are going to use your knowledge of area formulas to construct and calculate the area of several polygons. Let's get started!

Read and follow the directions in the .tns file provided. Fill in the measurements and calculations below.

1. Area of a triangle   *length of base: _____*   *length of height: _____*

                                   Area Formula: _____

                                   Area Calculated: _____

2. Area of a Parallelogram: *length of base: _____*   *length of height: _____*

                                   Area Formula: _____

                                   Area Calculated: _____

3. Area of a Trapezoid: *length of base 1: _____*   *length of base 2: _____*

                                   length of height: _____

                                   Area Formula: _____

                                   Area Calculated: _____

4. Area of a Pentagon: *length of apothem: _____*   *length of one side: _____*

                                   Perimeter: _____

                                   Area Formula: _____

                                   Area Calculated: _____

5. Area of a Hexagon: *length of apothem: _____*   *length of one side: _____*

                                   Perimeter: _____

                                   Area Formula: _____

                                   Area Calculated: _____