CPTR-241 HW problem # 11

The goal is to explore dynamic dispatch and further observe overriding and inheritance. On the class webpage is the textbook's TwoDShape class with main program DynShapes from pages 255-258 of the text (filename is dynamic_dispatch.java). We will use this program as a starting point.

Extend the TwoDShape program to include these shapes:

- 1) a trapazoid. Assume that width is the trapazoid base. top will be a third dimension with area =- 1/2 height*(base + top)
- 2) a parabola. Area = 2/3 height * width
- 3) a parallelogram. Include as a parameter the inside angle (will range 0 to 90 degrees; ok, zero isn't useful, so 0+)

Copy your .java file to D2L for HW#11