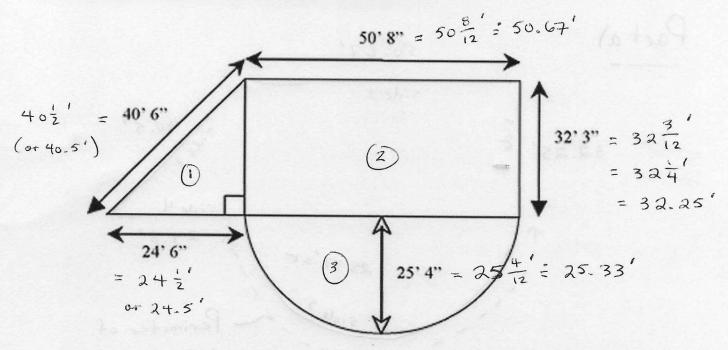
Name: Solutions (Answer Vay)

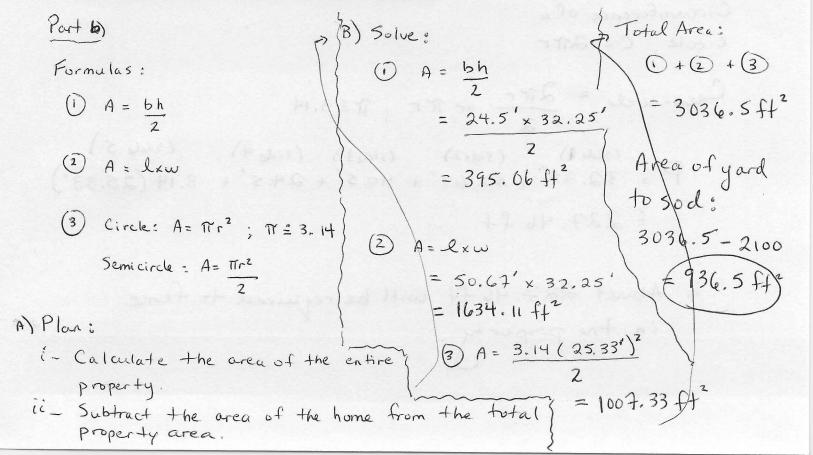
Part a) Solution (over)

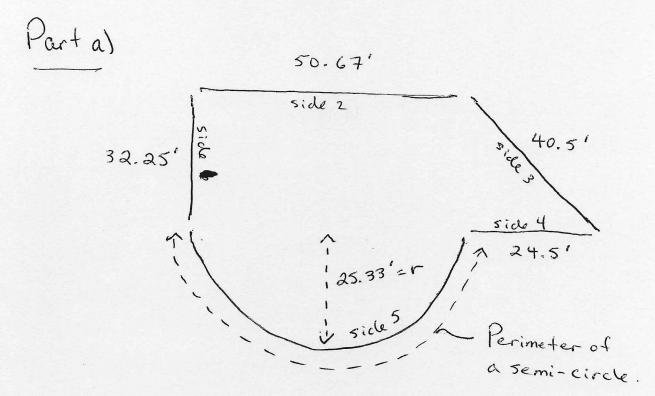
## MAP 4C Perimeter & Area of Composite Shapes: Practice

As a landscape architect, you are given a unique property to beautify. The property is composed of a right triangle, a semi-circle, and a rectangle as shown below.



- a) Your client has asked to have a fence built around the entire property. What is the perimeter of the yard?
- b) Next, you plan to re-sod the entire property surrounding your client's house. If the house has a square footage of 2100 ft², what is the area of the yard?





Formula required: Circumference of a Circle, C= 217r

Csemi-circle = 
$$\frac{2\pi r}{2}$$
 or  $\pi r$ ;  $\pi = 3.14$ 

$$P = 32.25' + 50.67' + 40.5' + 24.5' + 3.14(25.33')$$

$$= 227.46 ft$$

in the property.