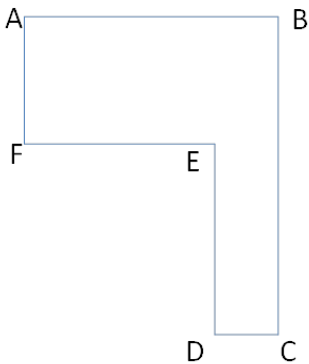


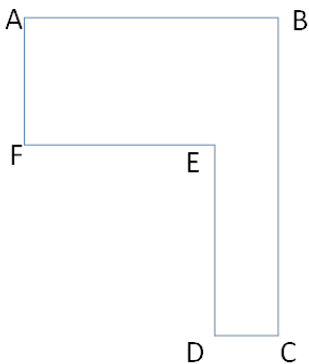
Lesson 5: The Area of Polygons Through Composition and Decomposition

Problem Set

1. If $AB = 20$, $FE = 12$, $AF = 9$, and $DE = 12$, find the length of both other sides. Then, find the area of the irregular polygon.



2. If $DC = 1.9$ cm, $FE = 5.6$ cm, $AF = 4.8$ cm, and $BC = 10.9$ cm, find the length of both other sides. Then, find the area of the irregular polygon.



3. Determine the area of the trapezoid below. The trapezoid is not drawn to scale.

