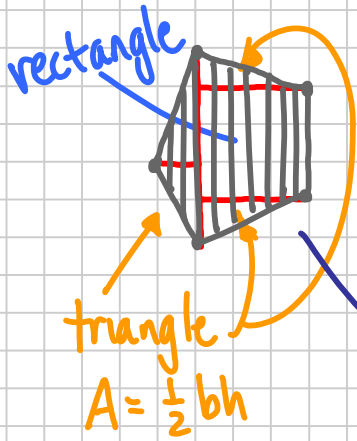


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WED

10.3] Areas of Polygons

Polygonal Region - polygon and its interior



Composite Figure

→ other figures placed together

ex) Find the area of the irregular

$$\text{figure: } \underbrace{3(3)}_{\text{rect}} + \underbrace{\frac{3(1)}{2}}_{\text{top } \Delta} + \underbrace{\frac{3(1)}{2}}_{\text{bot } \Delta}$$

$$9 + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + 1$$

$$= 14.5 \text{ units}^2$$

$$+ \underbrace{\frac{3(1)}{2}}_{\text{area upper left } \Delta} + \underbrace{\frac{2(1)}{2}}_{\text{lower left } \Delta}$$