

Section 11.2

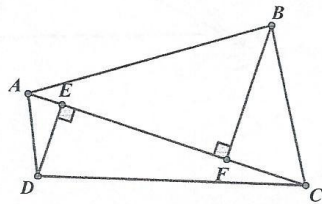
Formulas:

1.

2.

3.

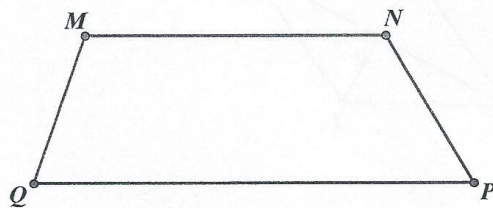
Find the area of quadrilateral  
ABCD if  $AC = 35$ ,  $BF = 18$ ,  
and  $DE = 10$



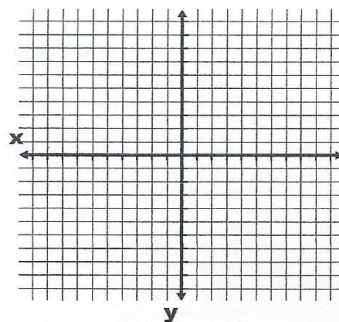
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Let's Examine a Trapezoid!

Conclusion:

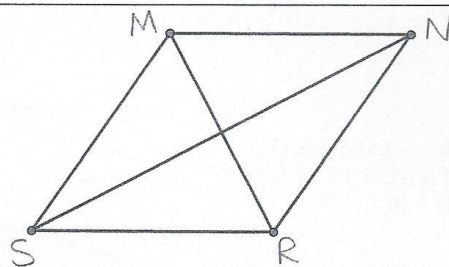


Find the area of trapezoid RSTU with vertices  $R(4, 2)$ ,  $S(6, -1)$ ,  $T(-2, -1)$ , and  $U(-1, 2)$

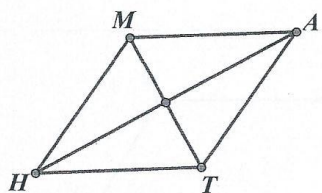


Let's Explore Rhombi!

Conclusion:



Rhombus MATH has an area of 64 square inches. Find  $HA$  if  $MT = 8$  in.



Trapezoid DEFG has an area of 120 square feet. Find the height of DEFG.

