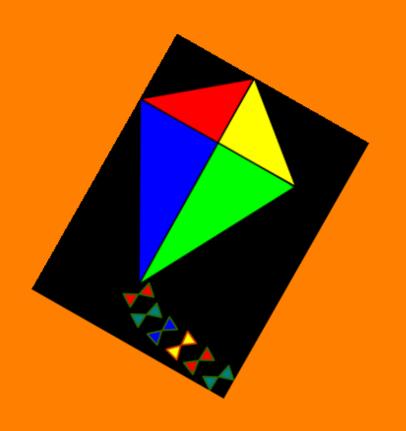
Lesson

Trapezoids and Kites

You will be able to recognize and apply properties of trapezoids and kites.

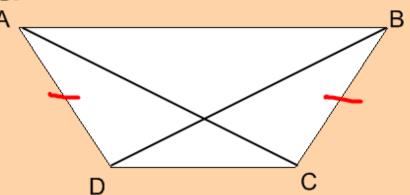


Trapezoid A quadrilateral with one pair of parallel LB+LC=180

Isosceles Trapezoid

legs are <u></u>



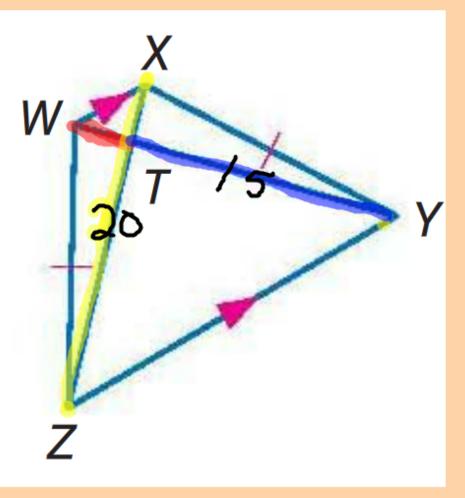


both pairs of base angles are

Find $m \angle D$ $M \ge A : 7$ $M \ge A : 7$ M

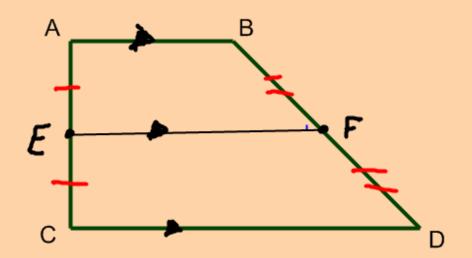
Find

WT, if ZX = 20 and TY = 15



Median

(midsegment)



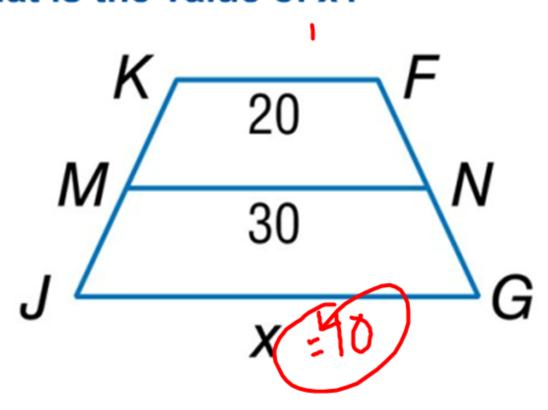
Connects the midpoints of the legs

Will be parall to the bases

Length will be: average of the

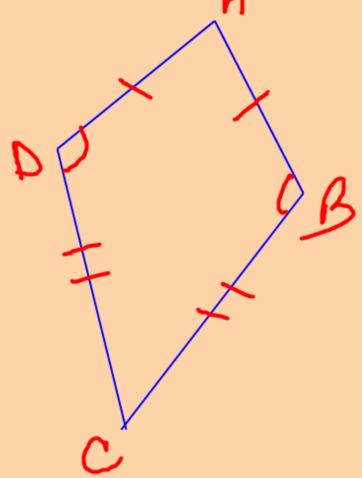
STANDARDIZED TEST EXAMPLE 3

In the figure, \overline{MN} is the midsegment of trapezoid *FGJK*. What is the value of x?



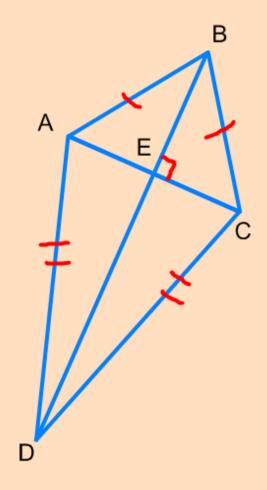
Kite A quadrilateral with 2 distinct pairs of adjacent $\stackrel{\checkmark}{=}$ sides

only 1 pair of = L's



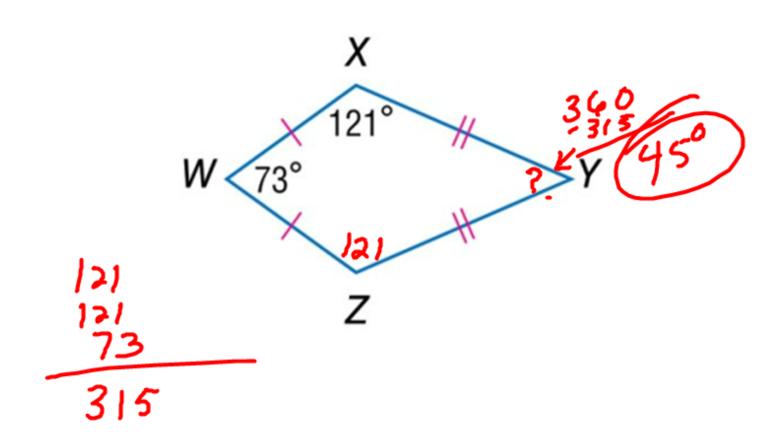
Diagonals are ______

Makes 2 pairs of <u>≅ ∧'s</u>



Use Properties of Kites

A. If WXYZ is a kite, find $m \angle XYZ$.



Assignment

Page 440-442

#'s 8-11, 16-20 evens, 26, 27, 53-57