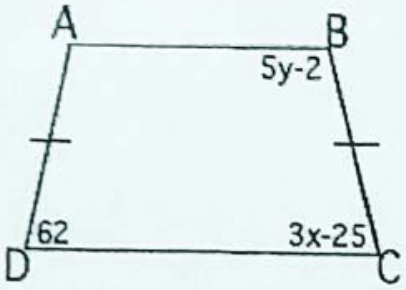
Name _____ Period _____ Score: _____ /30

25-F Chapter 7 QUIZ #2
TEST PRACTICE HW

1. Find the values of x and y so that ABCD is an isosceles trapezoid with bases $\overline{AB}$ and $\overline{DC}$. (5 points)



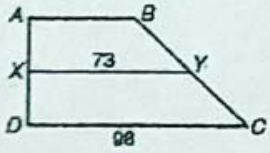
$x =$ _____

$y =$ _____

2. Find the length of the midsegment $\overline{KL}$ of trapezoid GHIJ. (3 points)

$KL =$ _____

3. $\overline{XY}$ is the midsegment of trapezoid ABCD. Find AB. (3 points)



$AB =$ _____

4. Determine whether the following statements are sometimes, always or never true for quadrilaterals. (1 point each)

a. A rhombus is a parallelogram. a. _____

b. If the diagonals of a parallelogram are congruent then the figure is a rectangle. b. _____

c. If both pairs of opposite angles are congruent, then the figure is a kite. c. _____

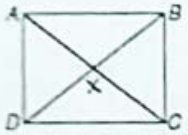
d. A trapezoid is a parallelogram. d. _____

5. ABCD is a rectangle. $AD = 15$, $AC = 25$, and $DC = 20$. Find BD. (3 points)

$BD =$ _____

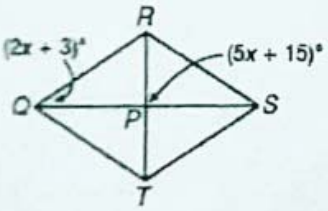
6. ABCD is a rectangle. $BD = 12x - 6$ and $AX = 4x + 5$. Find CX. (3 points)

$CX =$ _____



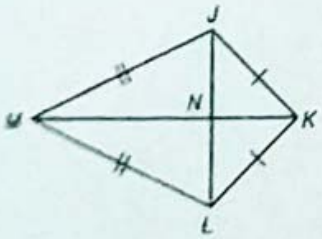
7. RSTQ is a rhombus. Find $m\angle QRP$. (3 points)

$m\angle QRP =$ _____



8. In kite JKLM, $m\angle NLK = 64°$. Find $m\angle JKL$. (3 points)

$m\angle JKL =$ _____



9. In trapezoid ABCD, find $m\angle A$. (3 points)

$m\angle A =$ _____