Name_____ Block_____

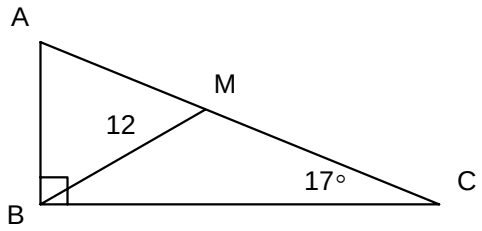
Ch.5 Review.

$WXYZ$ is the quadrilateral. What is the best name for the figure with these conditions?

1) $\overline{WX} \cong \overline{YZ}$ and $\overline{WX} \,//\, \overline{YZ}$

2) $\overline{WX} \,//\, \overline{YZ}$ and $\overline{WX} \neq \overline{YZ}$

M is the midpoint of $\overline{AC}$

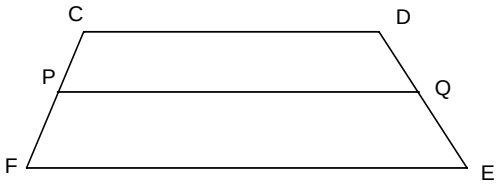


3) $AC =$ _____

4) $m\angle MBC =$ _____

5) $m\angle BAC =$ _____

P and Q are midpoints



6) $CD = 12, PQ = 15, FE =$ _____

7) $CD = 18, PQ = 2x + 4, FE = x + 13$
Find x

Let $CDEF$ be an isosceles trapezoid

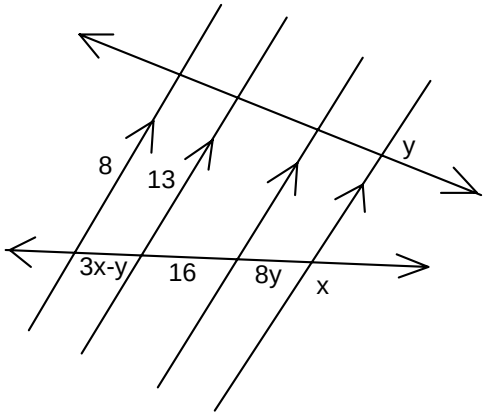
8) If $m\angle FED = 75$, then $m\angle D =$ _____

9) If $m\angle F = 2x, m\angle E = 4x - 18, x =$ _____

10) T or F. The diagonals of a rectangle are $\perp$ bisectors of each other.

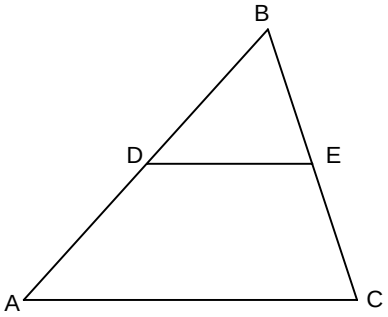
11) T or F. The diagonals of a rhombus are $\perp$ bisectors of each other.

12) Find x and y



13) Find $XY =$ _____

D and E are midpoints



14) T or F $\overline{BD} \cong \overline{BE}$

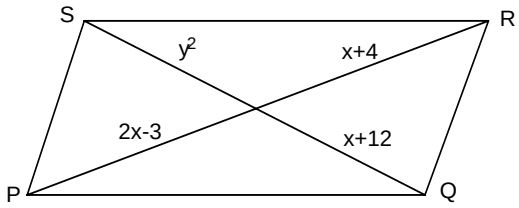
15) T or F $DE \,//\, AC$

16) T or F $DE = 2AC$

17) $DE = 14, AC =$ _____

18) $DE = 3x - 5, AC = 2x + 7,$ find x

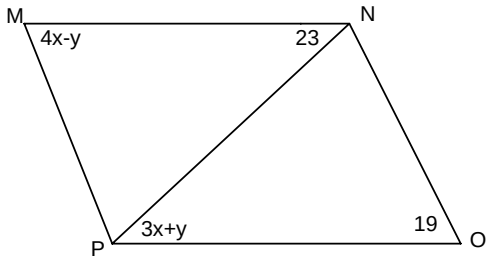
$PQRS$



19) Find x

20) Find y

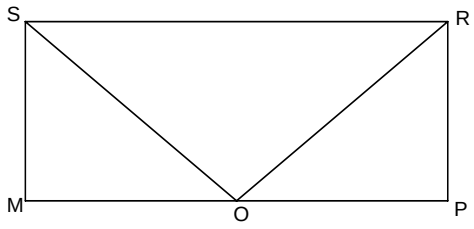
$MNOP$



21) Find x and y

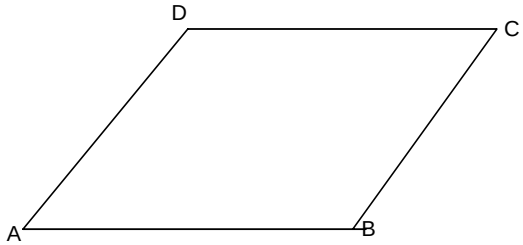
22) Given: Rectangle $MPRS$
$\overline{MO} \cong \overline{PO}$

Prove: ΔROS is isosceles



Statements:	Reasons:

Fill in the blanks. $\square ABCD$



23) opposite sides are
_____ and _____

24) consecutive angles are_____

25) $\overline{DB}$ _____ $\overline{AC}$

26) $\angle D$ and $\angle B$ are _____

27) ΔADC and ΔCBA are _____

28) $\angle B$ and $\angle C$ are _____