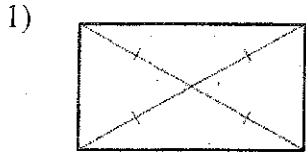
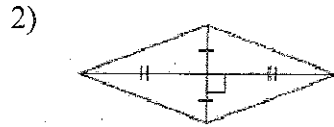


H. Geometry: Quadrilateral Review
Give the most specific name for the quadrilateral.

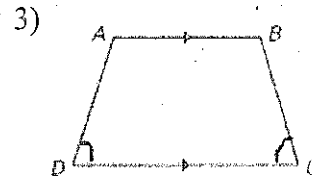
Name Answer Key



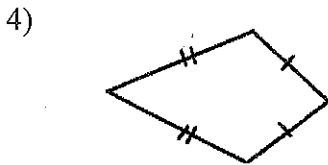
Rectangle



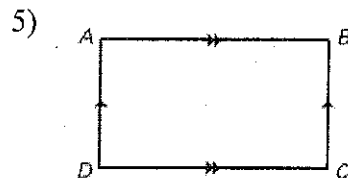
Rhombus



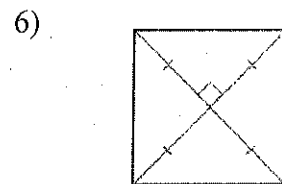
Isosceles trap.



Kite



parallelogram



square

Determine whether the statement is sometimes, always, or never true.

- 7) Diagonals of a trapezoid are congruent. Sometimes (isosceles)
 8) Opposite sides of a rectangle are congruent. Always
 9) A square is a rectangle. Always
 10) A rhombus is a square. Sometimes
 11) All angles of a parallelogram are congruent. Sometimes
 12) Opposite angles of an isosceles trapezoid are congruent. Never
 13) The diagonals of a parallelogram are perpendicular. Sometimes

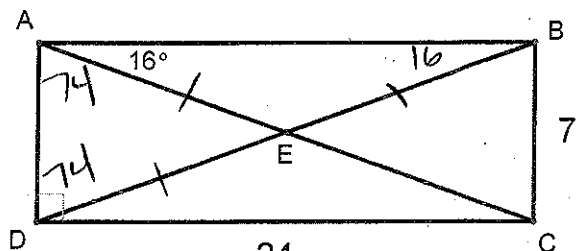
14) ABCD is a rectangle, find the indicated measurements.

$m\angle ADE = 74^\circ$

$m\angle AEB = 148^\circ$

$AC = 8$

$EB = 4$



15) FGHI is a square, find the indicated measurements.

$x = 12$

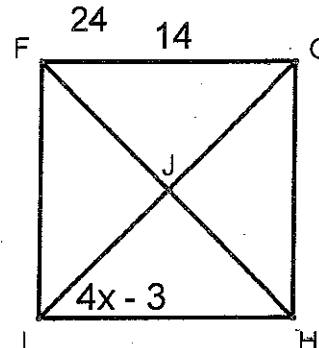
$m\angle GJH = 90^\circ$

$m\angle JHI = 45^\circ$

$JH = 9.9$

$IG = 19.8$

$14^2 + 14^2 = c^2$



$4x - 3 = 45$
 $4x = 48$

16) PM is the midsegment of trapezoid KLNO, find the indicated measures.

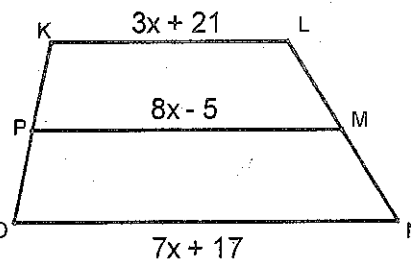
$x = 8$

$KL = 45$

$\frac{10x + 38}{2} = 8x - 5$

$10x + 38 = 16x - 10$

$-6x = -48 \quad x = 8$



$3(8) + 21$
 $24 + 21$

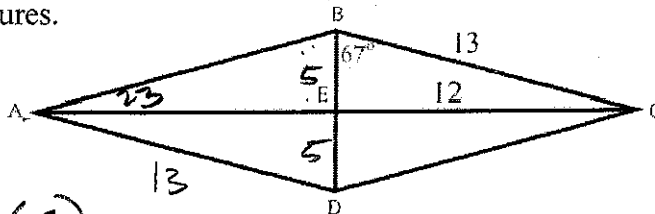
17) Given rhombus ABCD, find the indicated measures.

$BD = 10$

$AD = 13$

$m\angle ADC = 134^\circ$

$m\angle BAE = 46^\circ$



$\frac{1}{2}(10)(12)$

$60 + 60 = 120$

Area= 120

Perimeter= $4(13) = 52$

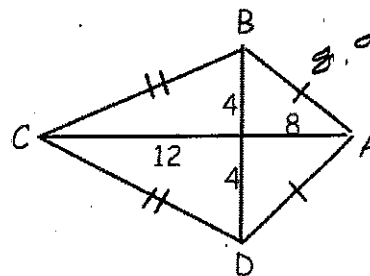
18) Given kite ABCD, find the lengths of all the sides.

$AB = 8.9$

$AD = 8.9$

$BC = 12.6$

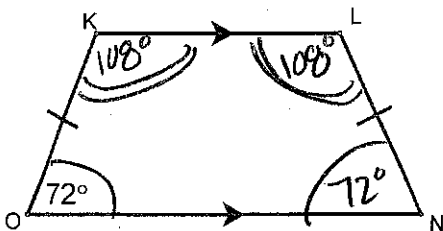
$DC = 12.6$



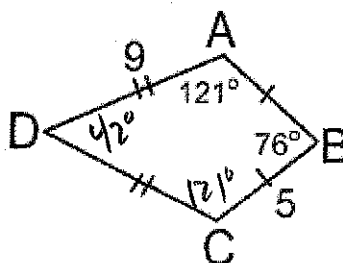
Area= 80

Perimeter= 44.24

19) Find the measures of all angles of the isosceles trapezoid.



20) Given kite ABCD, find the following measures.



$m\angle BCD = 121^\circ$

$m\angle ADC = 42^\circ$

$AB = 5$

$DC = 9$