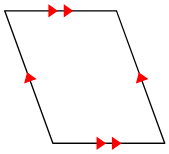
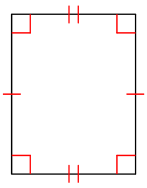
Int Math Name_____

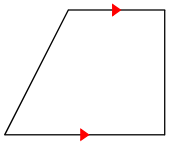
Sem2 - practice TEST 4 (Unit 9) Qudrilaterals_ver1

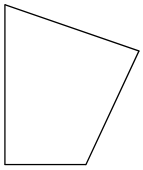
Date_____ Period____

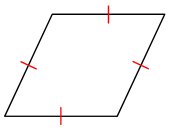
State the most specific name for each figure.

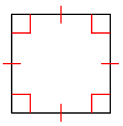
1) 

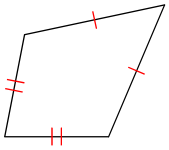
2) 

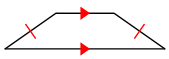
3) 

4) 

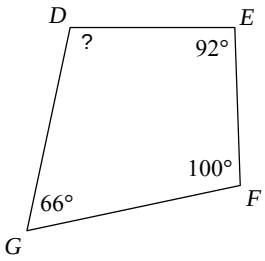
5) 

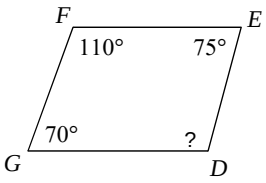
6) 

7) 

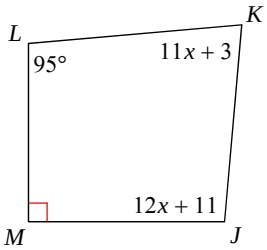
8) 

Find the measure of each angle indicated.

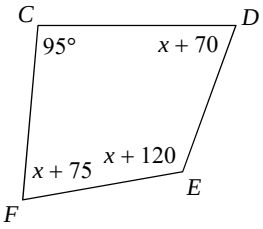
9) 

10) 

11) $m\angle J$

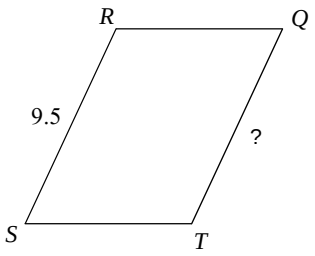


12) $m\angle D$

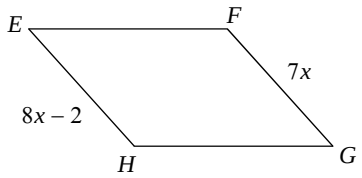


Find the measurement indicated in each parallelogram.

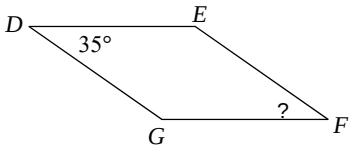
13)



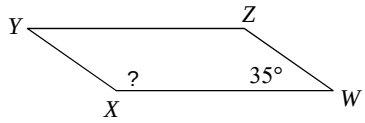
14) Find FG



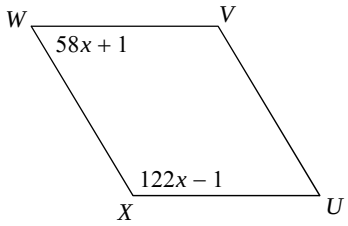
15)



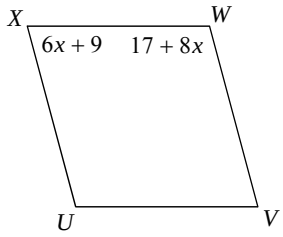
16)



17) Find $m\angle X$

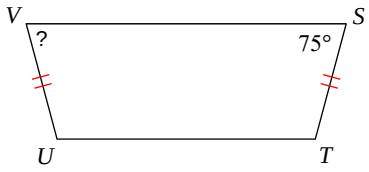


18) Find $m\angle V$

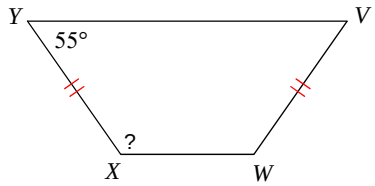


Find the measurement of the angle indicated for each trapezoid.

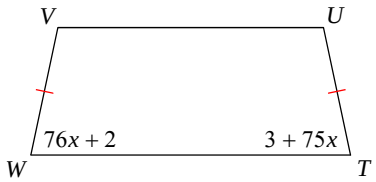
19)



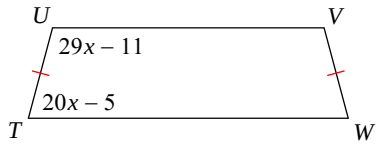
20)



21) Find $m\angle T$

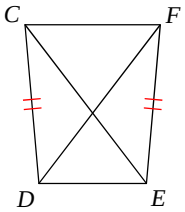


22) Find $m\angle U$

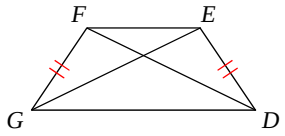


Find the length of the diagonal indicated for each trapezoid.

23) $EC = 24$
Find FD

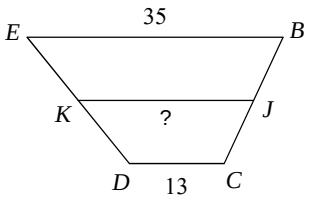


24) $GE = x + 5$
$FD = 2x – 7$
Find GE



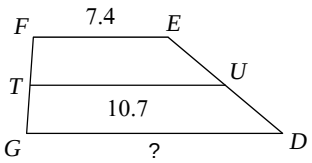
Find the length of the median of this trapezoid.

25)



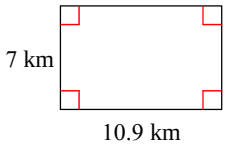
Find the length of base indicated for this trapezoid.

26)

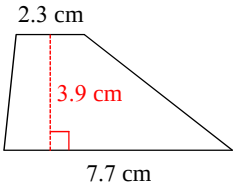


Find the area of each.

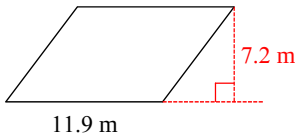
27)



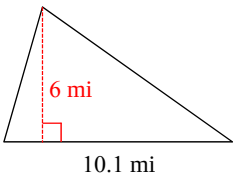
28)



29)

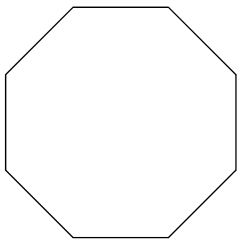


30)

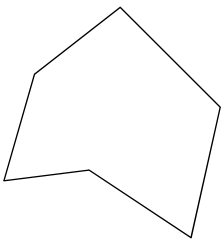


State if each polygon is regular or not regular.

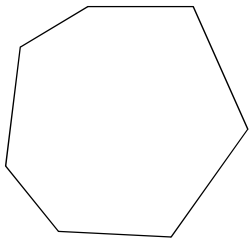
31)



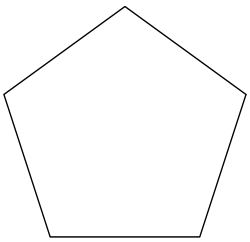
32)



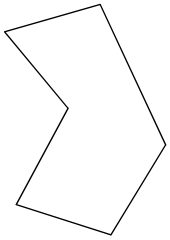
33)

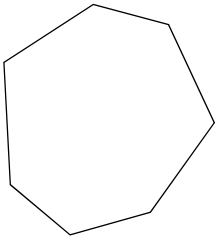


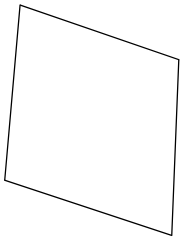
34)

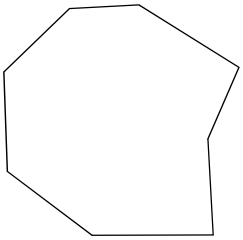


State if each polygon is concave or convex.

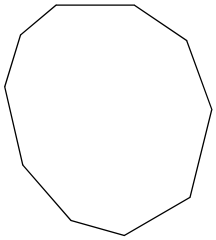
35) 

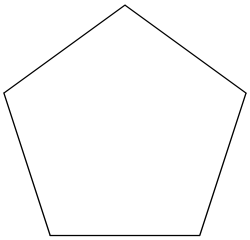
36) 

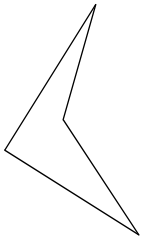
37) 

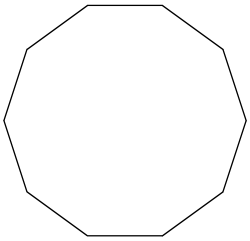
38) 

Write the name of each polygon.

39) 

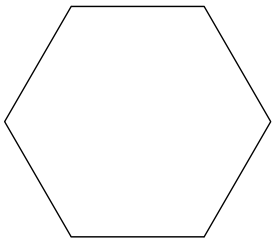
40) 

41) 

42) 

Find the INTERIOR ANGLE SUM for each polygon. Round your answer to the nearest tenth if necessary.

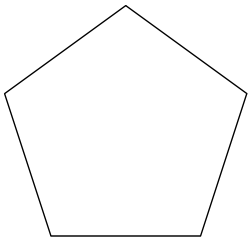
43)



44) regular 25-gon

Find the measure of ONE INTERIOR ANGLE in each polygon. Round your answer to the nearest tenth if necessary.

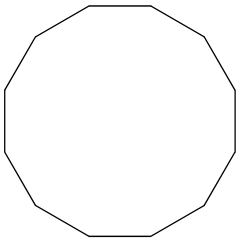
45)



46) regular nonagon

Find the measure of ONE EXTERIOR ANGLE in each polygon. Round your answer to the nearest tenth if necessary.

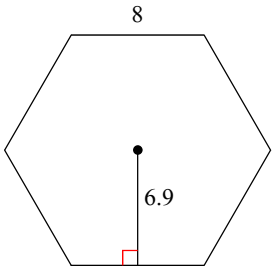
47)



48) regular 16-gon

Find the area of each regular polygon. Round your answer to the nearest tenth if necessary.

49)



50) octagon
apothem = 25.1
side = 20.8

Answers to Sem2 - practice TEST 4 (Unit 9) Qudrilaterals_ver1

1) parallelogram
2) rectangle
3) trapezoid
4) quadrilateral
5) rhombus
6) square
7) kite
8) isosceles trapezoid
9) 102°
10) 105°
11) 95°
12) 70°
13) 9.5
14) 14
15) 35°
16) 145°
17) 121°
18) 75°
19) 75°
20) 125°
21) 78°
22) 105°
23) 24
24) 17
25) 24
26) 14
27) 76.3 km^2
28) 19.5 cm^2
29) 85.68 m^2
30) 30.3 mi^2
31) regular
32) not regular
33) not regular
34) regular
35) concave
36) convex
37) convex
38) concave
39) decagon
40) pentagon
41) quadrilateral
42) decagon
43) 720°
44) 4140°
45) 108°
46) 140°
47) 30°
48) 22.5°
49) 165.6
50) 2088.3