

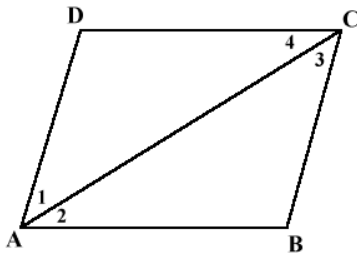
Name: _____
 Date: _____
 Class: _____

Geometry
 Unit 6
 EC

To be eligible to receive extra credit on the unit test you must have a score below 75. To receive extra credit you must score an 80% or higher on this assignment (anything lower results in no extra credit). If you earn extra credit is calculated in the following manner: $\text{Old Test Score} + (75 - \text{Old Test Score})(2/3) = \text{New Test Score}$. This assignment will not be accepted late for any reason other than missing the day of school it is due in which case it must be turned in the next day you are in school even if you do not have class.

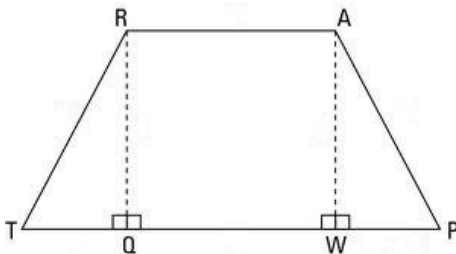
1) [2] If the area of a square is 121 then the perimeter is:

2) [3]



ABCD is a rhombus
 $m\angle 1 = 2x + 3$ and $m\angle DCB = 3x + 20$
 Find $m\angle CBA$

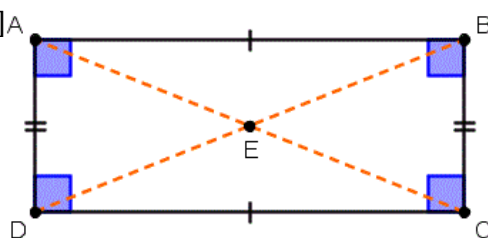
3)



TRAP is an isosceles trapezoid
 $RA = 4x - 2$, $AP = 3x + 2$, $TP = 5x - 3$
 and $TR = 2x + 5$. Find the perimeter of TRAP [4]

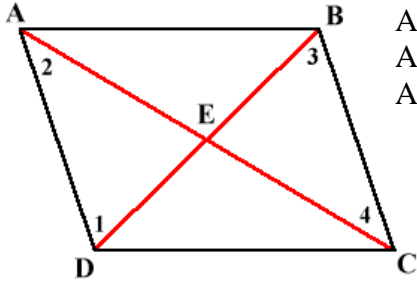
4) [2] If a regular polygon has 24 sides what is the difference between the measure of an interior angle and an exterior angle?

5) [5]



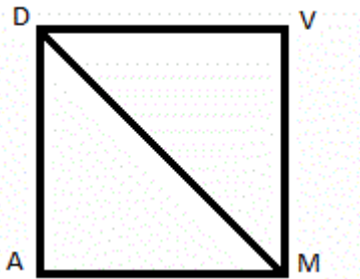
ABCD is a rectangle
 $BC = x + 5$, $AB = 2x + 2$
 $AC = 4x - 8$
 Find $m\angle DBC$

6) [5]



ABCD is a rhombus, $m\angle ABC = 108^\circ$
 $AE = 5x - 9$, $AC = 8x - 9$. Find the perimeter of ABCD [5]

7) [4]



DVMA is a square
 $DM = 26$
Find the area of the square.

8) If quadrilateral ABCD is formed using A (-1, 2), B (4, 5), C (7, 0), D (2, -3) find and explain what type of quadrilateral this would be. [5]

