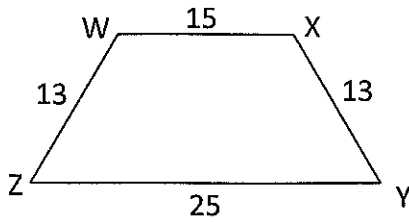Geometry Relay   *Please see me if you need help.*   DATE: __5/22__
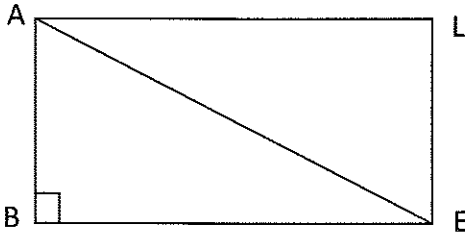
1. Given the following information, find the height of trapezoid WXYZ.   ANS = __12__

2. Find the area of the rectangle if BE = ANS and AE = $6\sqrt{5}$.   ANS = __72__

3. The area of a kite is ANS. If one of the diagonals is 4 times as long as the other, find the length of the smaller diagonal.   ANS = __6__
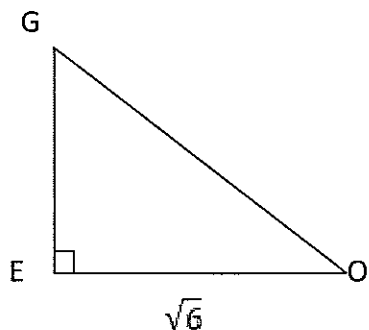
4. Find the area of a regular hexagon with side length ANS.   ANS = __$54\sqrt{3}$__

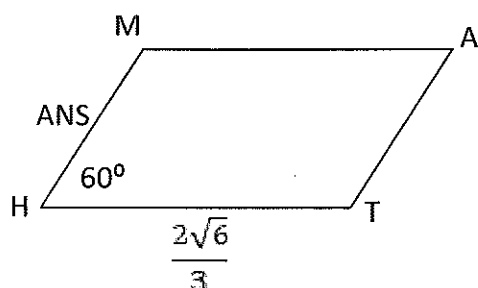5. Find the side length of an equilateral triangle whose area is ANS.   ANS = __$6\sqrt{6}$__

6. If the area of triangle GEO is ANS, find the height.

ANS = _____ 12 _____

G

E ⌐ √6 O

7. Find the area of parallelogram MATH.

ANS = _____ 12√2 _____

M   A
ANS
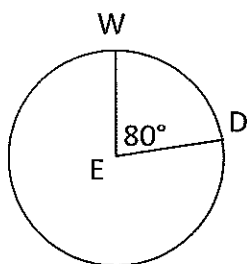60°
H
$\frac{2\sqrt{6}}{3}$
T

8. Find the side length of a square whose diagonal is ANS.

ANS = _____ 12 _____

9. Find the area of sector WED in circle E if the diameter is ANS.

ANS = _____ 8π _____

W
80° D
E

10. Find the area of a circle whose circumference is ANS.

ANS = _____ 16π _____