## Zoe Carver GEOM-F

9/1/17

1) 5, 10, 20, 40, 80, 160 doubbling.

3)  $\begin{bmatrix} 1, & -1, & 2, & -2, & 3, & -3, 4 \end{bmatrix}$  counting up by one, every other number is negative.

6) 81, 27, 9, 3, 1, 1/3 deviding by three.

9) 1, 2, 6, 24, 120, 720, 5040 n x last answer.

LOGIC:

on the left is the answer the the one before it

on the right is the number of the problem (n)

12) 1, 1/2, 1/3, 1/4, 1/5, 1/6 adding one to the denominator.

15) Goerge, Thomas, Abe, Alexander, Andrew, Ulysses - Names of people on bills. NOTE: I had to google this one.

18) See paper - adding a square to the middle that is rotated by 90 degrees.

21) They are all divisible by two? (I was not quite sure how to do this one)

27) 1, 10 - the difference is 9 wich is more than 1.

30) 10, 14, 19, 25... 160: the 
$$n-1$$
 value  $+ n + 3$ 

36) 0, 1/2, 3/4, 7/8, 15/16 The numerator is (n \* 2) - 1 and the

denominator is n + 2 wait that won't work. I have no idea, I have spent half an hour on this problem alone and I still have no idea.

39) H, He, Li, Be, B, C, N, O, F, Ne... - I know this one! Its the periodic table!

- 42) See paper Add one more angle onto the figure in the circle.
- 45) See paper Rotate by 90 Degrees and add one line to the oposite corner.

## REFRENCE PAGE

