5 discrete math individual worksheet:

Edited at 5pm 5 January 2017.

s is your student number. k = s mod 10000. T = s mod 100. m = s mod 35. a = s mod 25.

L = s mod 10. $d\_{2}=\frac{T-L}{10}$. e = s mod 8. m7 = s mod 7. m6 = s mod 6. m4 = s mod 4. m3 = s mod 3.

1. Solve problem number m6 + 6 from chapter m6 + 6 of the textbook.

2. (x+y)T = . . .

3. Calculate hash function for your student number.

http://www.fileformat.info/tool/hash.htm

Zimmermann:

4. Solve Zimmermann Polygonal Areas problem.

http://azspcs.com/Contest/PolygonalAreas

Submit as many different areas solutions as possible in the form (1,2), (2,6), (3,4), (4,5), (6,3), (5,1) going clockwise or anti-clockwise along the border of the polygon for 11, 17, 23, 29, 37, 47, 59, 71, 83, 97, 113, 131, 149, 167, 191, 223, 257, 293, 331, 373, 419, 467, 521. For each problem we need maximum and minimum areas polygons. Do it only if you like it.

http://discrete4math.weebly.com/uploads/2/5/3/9/25393482/11polygonal11areas11zimmermann11.txt

5. Is it easier to find the smallest or the largest areas for each of these cases? Why?

m6 = 0: 5: [1.5, 7.5]

m6 = 1: 7: [5, 18.5]

m6 = 2: 11: [41.5, 58.5]

m6 = 3: 17: [113.5, 127.5]

m6 = 4: 23: [239, 240.5]

m6 = 5: 37: [641, 641]

These numbers are correct at 5pm Jakarta time 5 January 2017.

These numbers may change later. Be prepared for the changes.

You must find the method working for any numbers.

http://azspcs.com/Contest/PolygonalAreas

6. Improve your project.

Deadline: 7 January 2017.