Algebra worksheet 2 January 2018.

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. m5 = s mod 5. m4 = s mod 4.

m3 = s mod 3. m2 = s mod 2. u = s + 10000.

Linear objects:

1. Give the equation of the straight line passing through points (L,e) and (a,m).

2. Find the equation of the straight line passing through point (L,e) and parallel to the line Tx + e.

3. What is the equation of the straight line passing through point (L,e) and perpendicular to the line

Tx + e?

4. Give the equation of the plane passing through points (T,a), (L,e), and (a,m).

5. Find the equation of the plane passing through point (L,e) and parallel to the plane

Tx + ey + Lz + m = 0.

6. What is the equation of the plane passing through point (L,e) and perpendicular to the plane

Tx + ey + Lz + m = 0?

7. Improve your answers to all the previous tasks.

Bitcoins:

8. Mine the bitcoins.

https://www.cnbc.com/2014/01/23/cnbc-explains-how-to-mine-bitcoins-on-your-own.html

Project:

9. Do your project.