Calculus worksheet 2 January 2018.

Curvilinear coordinates:

m6 = 0: 1. Explain curvilinear coordinates.

m6 = 1: 2. What are polar coordinates?

m6 = 2: 3. Explain cylindrical coordinates.

m6 = 3: 4. What are spherical coordinates.

Parametric curves and surfaces:

m6 = 4: 5. Explain parametric equation of the curve and the surface.

Drawing curvilinear coordinates curves and surfaces:

m6 = 5: 6. Draw the curves and the surfaces in curvilinear coordinates.

Optimization:

7. Solve the optimization problems.

8. Improve your answers to all the previous tasks.

Bitcoins:

9. Mine the bitcoins.

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

Project:

10. Do your project.