Answer on Question#39770-Math-Other

Question

This is the riddle in Differential Calculus with Analytic geometry.

With the ff. conditions prove mathematically that a girl is a problem.

Condition no.1:

you need time to have a money.

Condition no.2:

you need time and money to have a girl.

Condition no.3:

money is the root of the problems.

Answer

Let us assign:

t – time,

m – money,

g – girl,

p – problem.

Condition no.1 mathematically:

$$m = t$$

Condition no.2 mathematically:

$$g = t \cdot m$$

(Note: it is a product because time and money are needed simultaneously to have a girl)

Condition no.3 mathematically:

$$m = \sqrt{p}$$

Since $m = t$, when substituting the expression of condition no.1 into the expression of condition no.2, we get:

$$g = t \cdot m = m \cdot m = m^2$$

When substituting the expression of condition no.3 into this equation, we have:

$$g = m^2 = \left(\sqrt{p}\right)^2 = p$$

So, $g = p$, i.e. a girl is a problem indeed (proved mathematically).