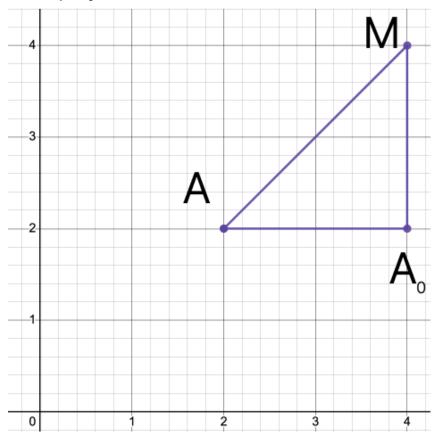
Ball physics:



We have:

A - current position of the ball

M - current position of the mouse

Our task is to determine amount of steps on y and x axis

First of all we need to draw the line AM and define its length. To determine length we mark point A_0 and we count length of: AA_0 and AM

Then using Pythagorean theorem:

$$AM = \sqrt{AA_0^2 + AM_0^2}$$

And finally:

 $stepX = AA_0/AM$

stepY = MA_0/AM