Graphical user interface, text, application, Teams

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Distance =

=

= 8.06

Graphical user interface, application, Teams

Description automatically generated

At time 3, 0.6/4\*3 = 0.45

A picture containing table

Description automatically generated

At time 5, 1-0.6/2+0.6 = 0.8

Table

Description automatically generated

f=ma

a=f/m

=10/4

=2.5

Graphical user interface, text, application, email, Teams

Description automatically generated

Differences in position = (8-3,1-4,1-5) = (5,-3,-4)

Differences in time = 9-3 = 6

Time 5 = (3+(5/6\*2), 4+(-3/6\*2), 5+(-4/6\*2)) = (4.67, 3, 3.67)