**Aufgabenblatt - Gravitation**

**Aufgabe 1**

Zeige mithilfe des Gravitationsgesetzes,

dass die Einheit der Gravitationskonstanten γ

sein muss!

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**Aufgabe 2**

Bestimme die Masse der Erde, indem du einen Apfel, der von der Erde angezogen wird, betrachtest.

Nutze dazu das Gravitationsgesetz (m1 = Gewicht der Erde, m2 = Gewicht des Apfels ca. 200 g)

und die Gewichtskraft

des Apfels.

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