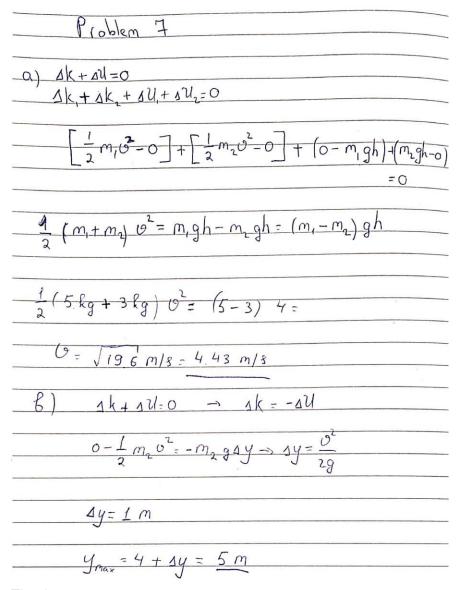
Objective question 2

Answer (c). When the individual exits the trampoline board, it is just conservative (its weight) that works on it. The athlete-earth device therefore retains its overall mechanical energy throughout its flight: Kf + Uf = Ki + Ui. Also, when the full height is exceeded, her speed is zero or Kf = 0. This gives the maximum height as Uf = Ki or Mgymax = 1/2 Mgymax = 1/2

ymax =v2i 2g=(8.5 m/s)2 2(9.80 m/s2) = 3.7 m.

Problem 7



Thank you

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