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|  /93 |
| **Physics 30 - Lesson 3H** |
| 1) | roller coastercheckmarkFf = 1/5 Fg = 1/5 mgd = 67.0 mvB = ?vA = 1.2 m/scheckmarkcheckmarkcheckmarkcheckmark |
| 2)  |  with no air resistance checkmarkcheckmarkcheckmarkcheckmarkcheckmarkcheckmarkcheckmark |

|  |  |  |
| --- | --- | --- |
| 3)/6 | h checkmark 2r  | At minimum speedcheckmark    checkmarkcheckmark  |
|  checkmarkcheckmark |
| 4) | checkmarkcheckmarkhi = 1.5 mv = 28.3 m/sr = 1.5 mcheckmark | checkmarkcheckmarkcheckmarkcheckmark |

|  |  |  |
| --- | --- | --- |
| 5) |  checkmark  2.0m x   2.0mcheckmark checkmark h=2.0-x | checkmarkcheckmarkcheckmarkcheckmarkcheckmark |
| 6) | Solve as projectile checkmark Find  ) 5.0m checkmarkcheckmarkcheckmark | checkmarkfind )checkmarkcheckmark |

|  |  |
| --- | --- |
| 7) | checkmarkbeforeafterm1 = 1.0 kgm2 = 1.5 kgv2 = ?v1 = ? |
| momentumcheckmarkcheckmarkcheckmarkcheckmark | Energycheckmarkcheckmarkcheckmarkcheckmark |
| 8) | momentumcheckmarkcheckmarkcheckmarkcheckmark | Energycheckmarkcheckmarkcheckmarkcheckmark |
| 9) | See Mr. Licht for the answers to 9, 10 and 11. |  |
| 10)  |  |  |
| 11)  |  |  |