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| /93 | | |
| **Physics 30 - Lesson 3H** | | |
| 1) | roller coaster  checkmark  Ff = 1/5 Fg = 1/5 mg  d = 67.0 m  vB = ?  vA = 1.2 m/s    checkmark  checkmark  checkmark  checkmark |
| 2) | with no air resistance    checkmark  checkmark  checkmark  checkmark  checkmark  checkmark  checkmark |

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| 3)  /6 | h    checkmark  2r | At minimum speed  checkmark        checkmark  checkmark |
| checkmark  checkmark | |
| 4) | checkmark  checkmark  hi = 1.5 m  v = 28.3 m/s  r = 1.5 m  checkmark | checkmark  checkmark  checkmark  checkmark |

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| 5) | checkmark    2.0m x    2.0m  checkmark    checkmark  h=2.0-x | checkmark  checkmark  checkmark  checkmark  checkmark | |
| 6) | Solve as projectile    checkmark    Find  ) 5.0m    checkmark  checkmark  checkmark | | checkmark  find )    checkmark  checkmark |

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| 7) | | checkmark  before  after  m1 = 1.0 kg  m2 = 1.5 kg  v2 = ?  v1 = ? | | | | |
| momentum    checkmark  checkmark  checkmark    checkmark | | Energy    checkmark  checkmark  checkmark  checkmark | | |
| 8) | momentum    checkmark  checkmark  checkmark    checkmark | | | Energy    checkmark  checkmark  checkmark  checkmark | | | |
| 9) | | See Mr. Licht for the answers to 9, 10 and 11. | | | |  | |
| 10) | | |  | |  | | |
| 11) | | |  | |  | | |