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| /73 |
| **Physics 30 - Lesson 3A****Work, Energy, Power** |
| 1) | a) work = area of a force-distance graphcheckmarkcheckmark | b)checkmarkcheckmark |
| 2) | checkmarkcheckmarkcheckmarkcheckmarkWork is positive since the object is being raised |
| 3) | a) up | checkmarkcheckmarkcheckmark | b) down | checkmarkcheckmarkcheckmark |
| 4) |  checkmark   | checkmarkcheckmarkcheckmark |
| 5) |    checkmark    |  | checkmarkcheckmarkcheckmark |
|  | checkmarkcheckmark |
| 6) |  100kg Pcheckmark  | checkmarkcheckmarkcheckmarkcheckmark |
| 7) | A) | checkmarkcheckmarkcheckmark |
| B) | From diagramcheckmarkcheckmarkcheckmark |
| C) | Work on scaffold = work done by window washer checkmarkcheckmark |

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| **Kinetic / Potential Problems** |
| 1) | checkmarkcheckmarkcheckmark |
| 2) | checkmarkcheckmarkcheckmark |
| 3) | checkmarkcheckmarkcheckmarkcheckmark |  2830m h    |
|  |  |  |
| 4) | checkmarkcheckmarkcheckmarkcheckmarkcheckmarkcheckmark |
| 5) | checkmarkcheckmarkcheckmark |
| **Power** |
| 1) | checkmarkStandard Unit = Wattcheckmarkcheckmark |
| 2) | checkmarkcheckmarkcheckmark |
| 3) |     | checkmarkcheckmarkcheckmarkcheckmark |
| 4) | checkmark | checkmarkcheckmarkcheckmark |
| 5) | checkmarkcheckmarkcheckmark |