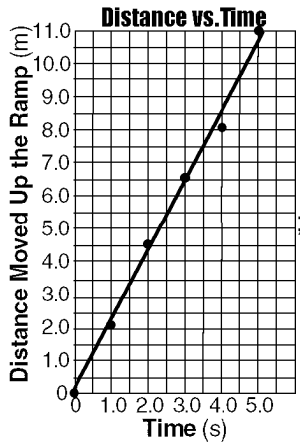


- 1) C. 15 J
Physics, Ch 2 #2
- 2) B. 8.0 J
Physics, Ch 2 #3
- 3) B. 480 joules
Physics, Ch 2 #4
- 4) A. 20. J
Physics, Ch 2 #5
- 5) D. 150 J
Physics, Ch 2 #6
- 6) A. 24 J
Physics, Ch 2 #7
- 7) C. 9 joules
Physics, Ch 2 #8
- 8) D. 5 J
Physics, Ch 2 #9
- 9) D. 8.0×10^2 joules
Physics, Ch 2 #12
- 10) C. greater
Physics, Ch 2 #13
- 11) B. 60 J
Physics, Ch 2 #14
- 12) B. 600 J
Physics, Ch 2 #15
- 13) A. 4.9 J
Physics, Ch 2 #17

14)

(a)



(b) The slope of the graph represents the velocity of the safe as it moved up the ramp.;

(c) $W = F\Delta S$, $W = (300 \text{ N})(6.6 \text{ sec}) = 1,980 \text{ N}\cdot\text{s}$

Physics, Ch 2 #18