

University Physics I

Answer Sheet – Homework Set 11

Questions beginning with ** do not have answers on this sheet.

10.3 m/s

-6 m/s \hat{x}

0.0144 m/s

-1.38 x 10⁻⁶ km/hr

3.15 x 10⁹ m/s

12 N s \hat{x}

8.4 J

4.67 x 10⁶ m

2.21 m/s

5.49 x 10⁷ m/s

2.4 N \hat{x}

30000 N

2.41 m/s

0.954 m

100 m/s

5.45 N s

20.9 m/s **East**

2.8 m/s \hat{x}

4.8 m/s \hat{x}

0.874 s

69.9 N/m

9000 N

0.56 m

13.9 m

(0,1) m

0.67 m/s (- \hat{x})

13.5 N s

63.6 yrs

374 J

0.117 m