

University Physics I

Answer Sheet – Homework Set 12

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

17 rev	6.05 N
8.30 <i>m/s</i>	1672.4 <i>m/s</i>
22.14 <i>m/s</i>	11806 N
14.2 <i>s</i>	29.57°
(68.6 \hat{x} + 784 \hat{y}) N	9.13 x 10 ²² <i>m/s</i> ²
8.32 x 10 ⁻⁸ N	0.085
0.857 <i>m/s</i> ²	76.9 N
8.08 <i>m/s</i>	0.375
61.8 N	2.73 x 10 ⁻³ <i>m/s</i> ²
29,894 <i>rpm</i>	5.24 <i>m/s</i>
30.4 N	20.96°
14.3 <i>m/s</i>	23612 N
14.4 <i>m/s</i>	6912.9 s