Phy 2A Study Problems

## Walker, 4th Edition

| Lesson | Chapter | Conceptual Questions | Problems and Exercises <br> (this is the minimum you should do) | More Problems and Exercises (in case you need a few more) |
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| 1 <br> Math <br> Review | 1 | 1, 2, 4, 5 | 5, 6, 12, 20, 27, 33, 38 | 40, 41 |
|  | 3 | 1-9 | $\begin{aligned} & 2-4,10,18-19,26,31,36,41,43 \\ & 51-53,58,62,65,70,76 \end{aligned}$ | 15, 32, 35, 55-57, 59, 63, 71 |
| $2$ <br> Motion \& Kinematics | 2 | $\begin{aligned} & 1,3,5,7,10 \\ & 12-16,18 \end{aligned}$ | $\begin{aligned} & 3,23,26,28,33,36-38,62,78,79 \\ & 81,82,94,100,107 \end{aligned}$ | 4, 39, 48, 65-67, 91, 101, 120 |
|  | 4 | 1, 4-7, 9 | $\begin{aligned} & 1,5,8-10,19,27,28,40,41,53,57, \\ & 58,65,75,79 \end{aligned}$ | 11, 16, 20, 53, 54, 64, 70, 72 |
| $3$ <br> Newton's <br> Laws | 5 | $\begin{aligned} & \hline 1-5,7,12-13, \\ & 16-17,19,22,24 \end{aligned}$ | $\begin{aligned} & \text { 2, 7, 9, 12, 14-15, 20, 22-23, 29-30, } \\ & 34,40,48-49,54-55,61,73 \end{aligned}$ | $\begin{aligned} & 6,10,13,21,24,32,41-42,50, \\ & 52-53,58,70,79-82 \end{aligned}$ |
|  | 6 | 6, 7, 12-15, 18-21 | $\begin{aligned} & 2,5,8,10-11,29-30,32-33,37,44-47 \\ & 51-54,59,76,85,93,105 \end{aligned}$ | $\begin{aligned} & 4,28,31,36,48,61,77-79, \\ & 81-82,88,91,101 \end{aligned}$ |
| 4 <br> Work <br>  <br> Energy | 7 | 1-4, 6-10 | 1-3, 7, 9-10, 11, 23, 28, 33, 39, 69, 73 | 12, 17, 24-25, 34, 72 |
|  | 8 | 1, 6, 8, 13 | $\begin{array}{\|l} \hline 1-4,17,27,36-37,44,53,70,77 \\ 96-98 \end{array}$ | $5-8,32,47,50,63-64,78,92,95$ |
| 5 Momentum | 9 | 3-4, 9-10, 12-13 | $\begin{aligned} & 4,6,17,33,39,44,48,52,66,70, \\ & 77,80 \end{aligned}$ | $5,18,32,34,56,71,76,78$ |
| $6$ <br> Rotational Motion | 10 | 1-6, 8 | $\begin{aligned} & 3-4,19,25,27-28,34,36,46-48,52-54 \\ & 69-70,73,107 \end{aligned}$ | $18,29,37,51,59,68,72,85$ |
|  | 11 | 1, 3, 5-6, 11-12 | $\begin{aligned} & 5-6,11,15-16,26,29,43,49,56-58, \\ & 63,69-70,100 \end{aligned}$ | $10,18,36,46-47,71-72,99,106$ |
| 7 <br> Gravity | 12 | 1, 2, 4, 6, 8 | $\begin{aligned} & 1,6-7,12,14,19-20,27,29,41,51, \\ & 60,66,69,75,83 \end{aligned}$ | $\begin{aligned} & 3-4,11,18,24,28,52,58,72, \\ & 74,77-78 \end{aligned}$ |
| $\begin{gathered} 8 \\ \text { Oscillations } \end{gathered}$ | 13 | 6, 9 | $\begin{aligned} & 7,9,11,13-14,17,28,39-40,43,53,57 \\ & 61,81,93 \end{aligned}$ | 6, 8, 10, 12, 30, 52, 54, 89 |

