|  |  |
| --- | --- |
|  | **Physics 20 - Lesson 12****Relative Motion – Answer Key**/ 87 |
| 1)/10 | a) –1.5b) –2.0c) –1.3 d) –5.0e) +7.0 | f) +4.8g) +1.3h) –5.5i) 0j) –6.8 |
| 2)/4 | a) 28.5 eastb) 35.0eastc) 1.5 eastd) 5.0 west |
| 3)/5 |  1.0km | a)b) walker: canoeist:  |
| 4)/4 | a) 7.61.6 |   b) -1.67.6 | c)1.67.6 |  |

|  |  |  |
| --- | --- | --- |
| 5)/6 |  |  |
| 6)/7 | AA) |  | B) |
| 7)/6 | MedanGeorgetown |  |
| 8)/8 | 112255 |  |
| 9)/9 |  | a)  b) c)  |
| 10)/6 | a) fastest  aim straight across and  let the current carry you  | b) d)  |
| c)1.40.80 |  |
| 11) /10 | 45+15.32 = 60.3212.86 |  |
| 12) /12 | 103.2492.55 |  |