|  |  |
| --- | --- |
|  | **Physics 20 - Lesson 10****Trigonometry Review – Answer Key**/30 |
| 1)/3 | aAcb |  |  |  |
| 2)/2.5 | a)b)  | c) d)  | e)  |
| 3)/4.5 |   |  |  |
| 4)/5 | 30°opp42cm |   |   |
| 5)/3 | 24cm55°hyp |    |
| 6)/3 | 38°15cmhyp |    |  |
| 7)/5 | 12cmhyp16cm |   |   |
| 8)/4 | 20 |    |
| **Physics 20 - Lesson 10****Vector Addition – Answer Key**/73 |
| 1)/6 | 20 m30 m10 m25 m15 m | distancedisplacement |
| 2)/8 | 5cm20cm |   |
| 3)/8 | 30m20m10m |    |

|  |  |  |
| --- | --- | --- |
| 4)90–60=30/8 | 30 |   |
| 5)/6 | 50km60km-20km = 40km |   |  |
|  6)/9 | a)  b) 858m297mc)   |     |
| 7)/10 | N-S430m580mE-W |  |   |
| b)  |
| 8)/6 | a) car  canoe c) car   canoe   | b) since the canoe and the car start from the same point and end up together at the same spot, the canoe has the same displacement  |

|  |  |  |
| --- | --- | --- |
| 9)/12 | 0.5km1.5kma) |   |
| b)0.5km2.25km |   |
| c)1.0km3.0km |   |