**SCI 10 Physics Distance and Displacement Comp Check Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Warren starts 2.6 km [N] of his friend Kevin's house. He picks up Kevin and they both walk to a party at Joe’s house, 1.35 km [S] of Kevin’s house.

a) What distance did Warren walk?

b) What is Warren's displacement?

*Use the following information and the diagram to answer the next 2 questions.*

|  |
| --- |
| Highway signs indicate the distance from Medicine Hat to Lethbridge is 186 km. The route and the direction of Lethbridge from Medicine Hat are marked on the diagram. |
|  |

1. What is the **best** way to write the distancealong the highway from Medicine Hat to Lethbridge?
   1. *d =* 186 km b.  c.  d. 
2. What is the **best** way to write the displacement from Medicine Hat to Lethbridge?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 122 km | c. | 122 km SW |
| b. | 186 km | d. | 186 km SW |

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