(a) (i)

|  |
| --- |
| *Statistical software output:*  |
| *Answer:*

|  |  |  |
| --- | --- | --- |
|  | Measure of location(metres) | Measure of spread(metres) |
| Current golf ball  |  |  |
| New golf ball  |  |  |

 |

 (ii)

|  |
| --- |
| *Answer:* |

(b)

|  |
| --- |
| *Answer:*Null hypothesis:Alternative hypothesis: |

(c) (i)

|  |
| --- |
| *Answer:* |

 (ii)

|  |
| --- |
| *Statistical software output:*  |
| *Answer:**p-*value= |

(iii)

|  |
| --- |
| *Answer:* |