(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:* |