

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET**

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| **SUBJECT** | Nautical Science | **GRADE** | 12 | **DATE** | 24/4/20 |
| **TOPIC** | SAILINGS   | **TERM 1****REVISION** | X | **TERM 2 CONTENT** | X |
| **TIME ALLOCATION** | 20min | **TIPS TO KEEP HEALTHY**1. **WASH YOUR HANDS** thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.2. **PRACTICE SOCIAL DISTANCING** – keep a distance of 1m away from other people.3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use.4. **TRY NOT TO TOUCH YOUR FACE.** The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. **STAY AT HOME.**  |
| **INSTRUCTIONS** | This worksheet is to be completed in your MRTE exercise/activity book. |

**SECTION C**

**QUESTION 8**

**A vessel on a voyage from Cape Town to the Caribbean calculates Noon position on 13 February to be at Lat 31º 06' S Long. 013º 35' E. Ship's time is GMT + 1. The next WP is Lat. 18º 55' N Long. 063º 25' W (GMT – 4).**

8.1 Calculate the course to steer to the WP. (10)

8.2 Calculate the distance to go to the WP. (10)

8.3 What is the ETA at the WP at 18 knots? (5)

 [25]

**Lat. 31º 06' Meridional Parts 1952.93 Lat. 18º 55' Meridional Parts 1148.62**