The following task contains a mixture of trigonometry problems through our first unit. Like the warm-up, you will need to choose an appropriate tool, or tools to help you solve the problem. Each question is worth 5 marks. For full marks, you need to show your work in detail, and make a very brief concluding statement.

/20

1)



2)



3) A boat leaves a port at Jamestown (J) for the port at Puerto Rico (P). Due to strong currents, they wind up 5km west of their destination. How many degrees **west of north** did they go off course?





4)