Week 1 Challenge Homework Solutions

Deserted on a deserted Island you spot a slightly exposed tin can under a tree. Upon opening it you find it's instructions to a treasure. It reads: "Ten paces from this very tree in a direction twenty degrees south of west lies the first location. Ten paces from this very tree in a direction sixty degrees north of east lies the second location. Walk from this tree exactly the distance and direction you would walk from the first location to the second location and you will find ye treasure. Yar"

- (a) (a) What are the coordinates of treasure?
- (b) (b) Use a physical representation in conjunction with the *Related Quantities* sense-making technique to check the validity of your answer.



