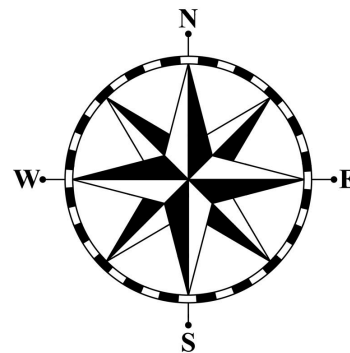# YEAR 10 MATH:
TRUE AND COMPASS BEARINGS

The two types of bearings you may be asked to use in the Year 10 Math course are COMPASS and TRUE
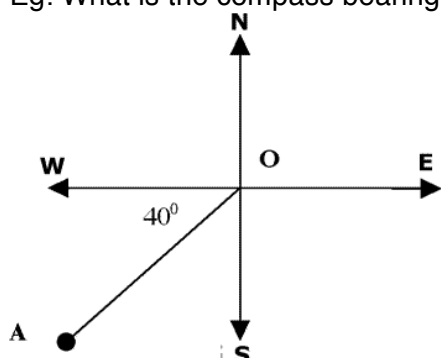
COMPASS BEARINGS

To answer these questions we start in the middle of your compass and use the saying "Look, Turn, Towards"
Look is always either N or S.
Turn is always less than 90°.
Towards is always either E or W.

Eg: What is the compass bearing from O to A?

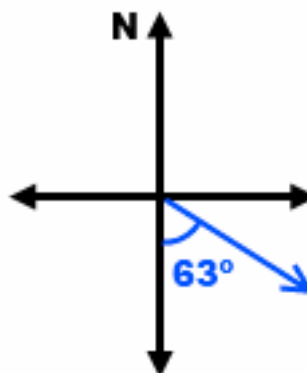Look = S (because its closest)
Turn = 50° (because 90 – 40 = 50)
Towards = W (that's the direction we turn from S)

So the answer is S 50° W.

TRUE BEARINGS

True bearings are how many degrees you need to turn in a clockwise direction if you start in the middle of the compass looking North.
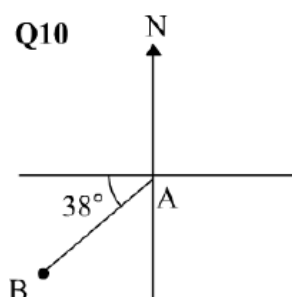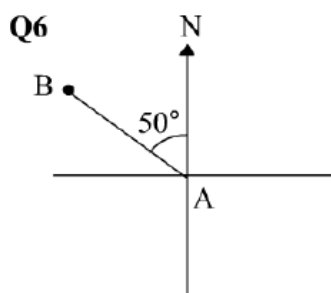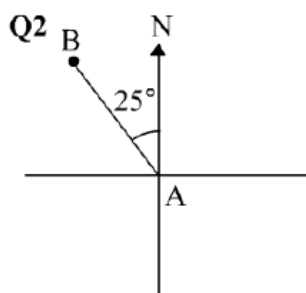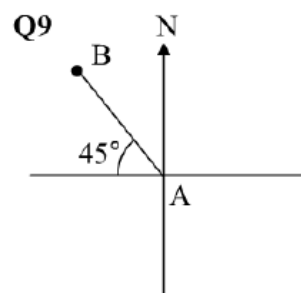
Eg: What is the true bearing of arrow shown?
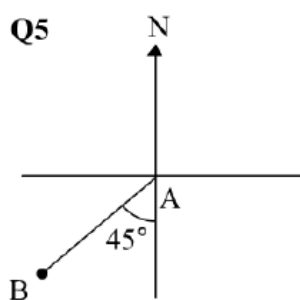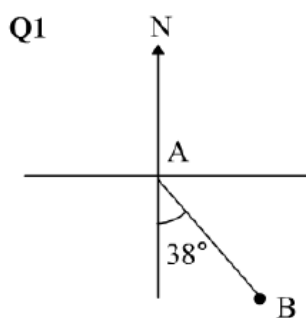

Start looking North.
Turn 90° to look east.
Then another 27° (because 90 – 63 = 27)

So the answer is 90 + 27 = 117°T

Attempt these examples. Write both the Compass and True bearing for each.

For more revision questions see Exercise 5.5 in your textbook.