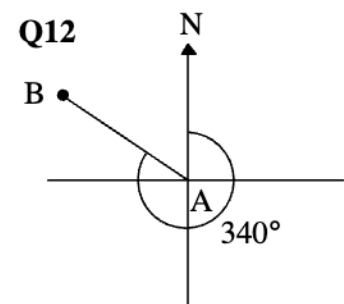
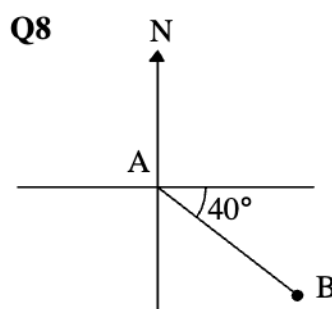
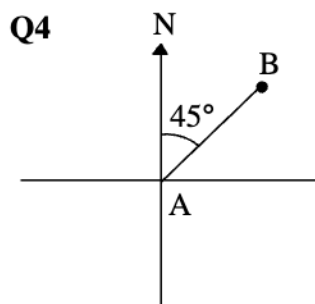
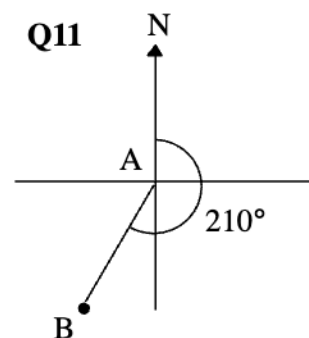
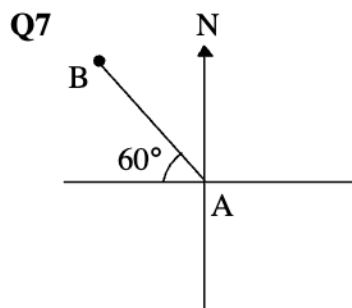
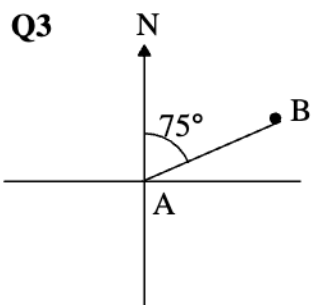
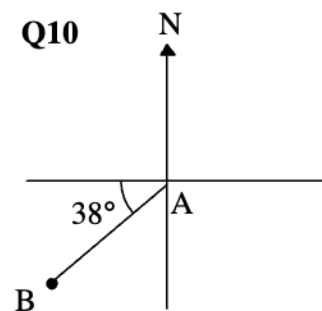
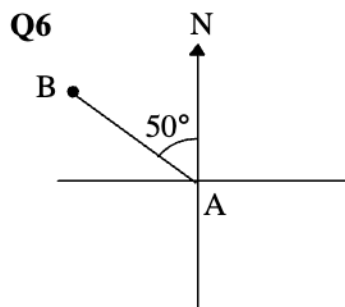
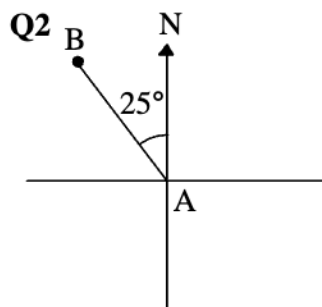
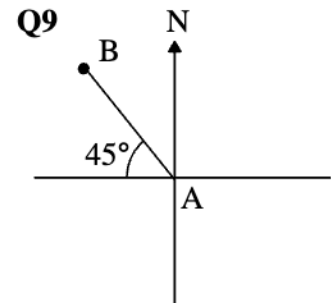
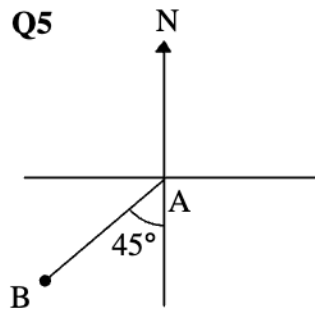
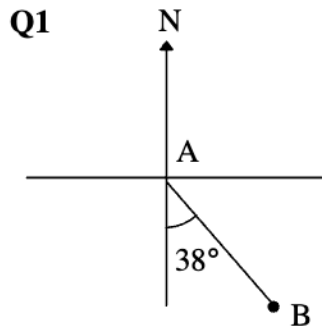


In each diagram, write the compass bearing of B from the point A.  
(eg N32°W, SE, etc)



**ANSWERS ON THE NEXT PAGE**

**Q13 CHALLENGE**

Use a pencil, ruler and protractor to accurately draw these.  
If you have grid paper it may help.

**NOTE:** All North-South lines must be **parallel**.

- a) Start in the middle of your page and mark a point O.
- b) Rule a North-South line through O and label it.
- c) Draw a 6cm line OA on a bearing NW of O.
- d) Through point A, draw a North-South line (make sure it is parallel to the first NS line).
- e) From A in a direction  $N40^{\circ}E$ , draw a 5cm line and mark the end point B.  
(As a check, B should be 8.1cm from O. If it isn't you might try starting again).
- f) Through B, draw a North-South line.
- g) From B in a direction  $S40^{\circ}E$ , draw an 8cm line and mark the end point C.
- h) Draw a North-South line through C.
- i) Join OC.

**Now answer these questions, using your ruler and protractor:**

- (i) What is the length of OC?
- (ii) What is the bearing of O from C?
- (iii) What is the bearing of C from O?

**ANSWERS**

A) 4.6	N) $N75^{\circ}W$
B) 5.3	O) NE
C) 7.2	P) NW
D) 12	Q) $S210^{\circ}W$
E) $N120^{\circ}E$	R) $S23^{\circ}W$
F) $N17^{\circ}E$	S) $S30^{\circ}W$
G) $N20^{\circ}W$	T) $S38^{\circ}E$
H) $N25^{\circ}W$	U) $S38^{\circ}W$
I) $N30^{\circ}W$	V) $S40^{\circ}E$
J) $N340^{\circ}W$	W) $S50^{\circ}E$
K) $N50^{\circ}W$	X) $S52^{\circ}W$
L) $N65^{\circ}E$	Y) $S65^{\circ}W$
M) $N75^{\circ}E$	Z) SW