

Name: _____

Date: _____

Angles and Bearings

1. What angle do you turn through if you turn clockwise from (a) N to S.
(b) E to W
(c) N to NE.
(d) S to NE.
(e) W to NW.
2. What is the bearing of:
(a) N
(b) NE.
(c) W
(d) SW.
3. On what bearing is a ship sailing if it is heading:
(a) West?
(b) North-East?
(c) South-West?
4. What is the back bearing or reciprocal bearing to each of the bearings below?
(a) 045°
(b) 200°
(c) 180° .
5. An airplane flies from Newquay to Birmingham on a bearing of 044° . On what bearing should the pilot fly, to return to Newquay from Birmingham?

Angles and Bearings

1

- (a) N to S. 180°
- (b) E to W 180°
- (c) N to NE. 45°

- (d) S to NE. 225°
- (e) W to NW. 45°

2

- (a) N 000°
- (b) NE. 045°

- (c) W 270°
- (d) SW. 225°

3

- (a) West? The bearing of West is 270°
- (b) North-East? The bearing of North-East is 045°
- (c) South-West? The bearing of South-West is 225°

4

- (a) 045° The back bearing of 45° is 225° ($45^\circ + 180^\circ = 225^\circ$)
- (b) 200° The back bearing of 200° is 020° ($200^\circ - 180^\circ = 20^\circ$)
- (c) 180° . The back bearing of 180° is 000° (North is not 360°)

5. 224°