Bearings and Trigonometry

Practice Worksheet (Nov 2024 Paper 2H Style)

I Do

Points A, B, C are on horizontal ground. $AB = 8.4$m, $BC = 9.2$m. B is on a bearing of 067° from A. C is on a bearing of 129° from B. Calculate the bearing of A from C.

We Do

Points A, B, C are on horizontal ground.

$AB = 5.0$ m, $BC = 7.0$ m.

B is on a bearing of 040° from A.

C is on a bearing of 100° from B.

Calculate the bearing of A from C.

You Do

Points A, B, C are on horizontal ground.

$AB = 10$ m, $BC = 12$ m.

B is on a bearing of 080° from A.

C is on a bearing of 150° from B.

Calculate the bearing of A from C.

Challenge

Points A, B, C are on horizontal ground.

$AB = 15$ m, $BC = 15$ m.

B is on a bearing of 090° from A.

C is on a bearing of 200° from B.

Calculate the bearing of A from C.

Answers

- **I Do: Bearing** $\approx 280°$.
- **We Do: Bearing** $\approx 262°$.
- **You Do: Bearing** $\approx 287°$.
- **Challenge: Bearing** $\approx 312°$.