

# RADAR GRID

Nevis



Danmark II



RMS



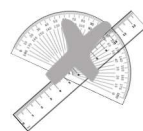
Argus



204-L



3 km



You are a radar operator for the lifeguard.  
Your job is to track shipping traffic on the **Radar Grid**.



You are on the **Observation Ship**.

Use **trigonometry** to find the **bearings** of these ships from **OS**.

Ship	Bearing (1 dp)
Danmark II	
Argus	
204-L	
Nevis	
RMS	

The Valdez is 4 km North of **OS** on a bearing of  $025^\circ$ .  
How far East is the Valdez from **OS**?  
Mark the ship's position on the radar grid.

The Tylo is 5 km East of **OS** on a bearing of  $125^\circ$ .  
How far South is the Tylo from **OS**?  
Mark the ship's position.

The SS Guile is 2 km West of **OS** on a bearing of  $198^\circ$ .  
How far South is the SS Guile from **OS**?  
Mark the ship's position.

Complete the table & mark the ships on the grid.

Ship	Distance from OS (km)	Bearing	East/West Distance from OS (km)	North/South Distance from OS (km)
Pinafore	9 km	$083^\circ$	____ East	____ North
Maxus	6 km	$233^\circ$		
Julius	14 km	$151^\circ$		

# RADAR GRID

Nevis

Valdez

Danmark II

RMS

Pinafore

OS

Maxus

Tylo

SS Guile

Argus

204-L

3 km

Julius



You are a radar operator for the lifeguard.  
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You are on the Observation Ship.

Use **trigonometry** to find the **bearings** of these ships from OS.

Ship	Bearing (1 dp)
Danmark II	054.5°
Argus	127.9°
204-L	174.3°
Nevis	339.4°
RMS	296.6°

The Valdez is 4 km North of OS on a bearing of 025°.

How far East is the Valdez from OS?

Mark the ship's position on the radar grid.

1.9 km

The Tylo is 5 km East of OS on a bearing of 125°.

How far South is the Tylo from OS?

Mark the ship's position.

3.5 km

The SS Guile is 2 km West of OS on a bearing of 198°.

How far South is the SS Guile from OS?

Mark the ship's position.

6.2 km

Complete the table & mark the ships on the grid.

Ship	Distance from OS (km)	Bearing	East/West Distance from OS (km)	North/South Distance from OS (km)
Pinafore	9 km	083°	8.9 East	1.1 North
Maxus	6 km	233°	4.8 West	3.6 South
Julius	14 km	151°	6.8 East	12.2 South

