

- 3** A ship is travelling with a velocity of 8.0 km h^{-1} in a direction 30° east of north.

What are the components of the ship's velocity in the east and north directions?

	component of velocity in east direction $/\text{km h}^{-1}$	component of velocity in north direction $/\text{km h}^{-1}$
A	4.0	4.0
B	4.0	6.9
C	4.6	6.9
D	6.9	4.0