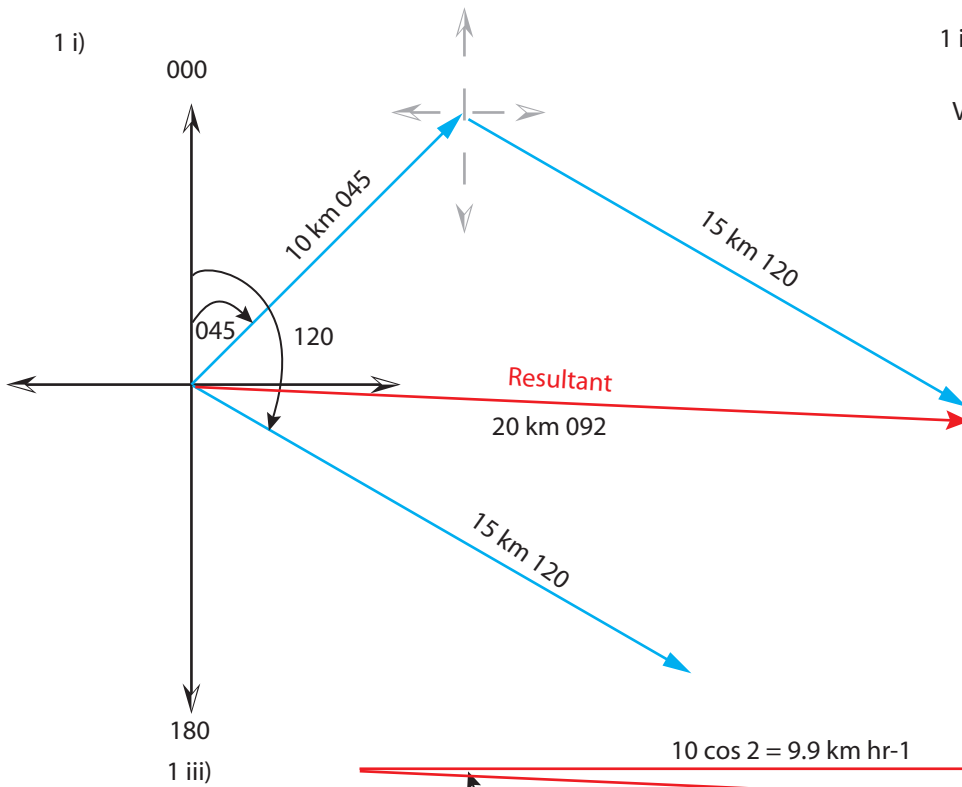


Solutions

1 i)



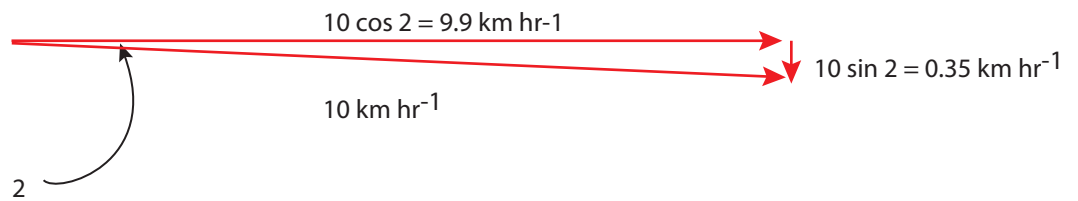
1 ii)

Velocity = displacement / time

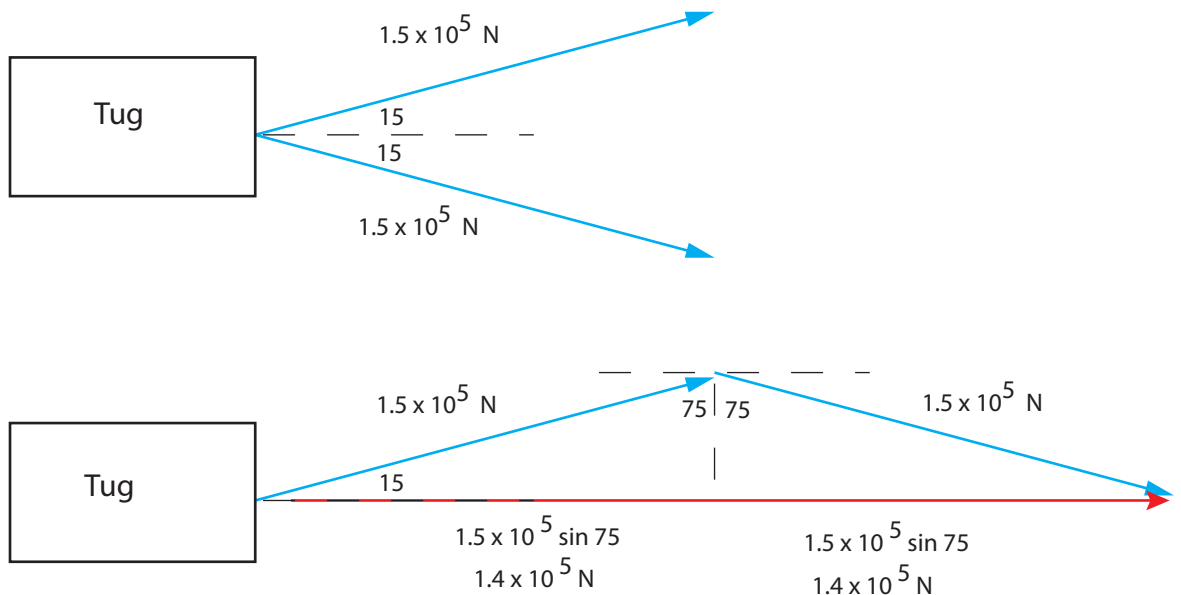
$$20 \text{ km } (092) / 2 \text{ hr}$$

$$10 \text{ km hr}^{-1} 092$$

1 iii)



2) i



$$2.8 \times 10^5 \text{ N}$$

2) ii $4.3 \times 10^5 \text{ N}$

2) iii $3.8 \times 10^5 \text{ N}$