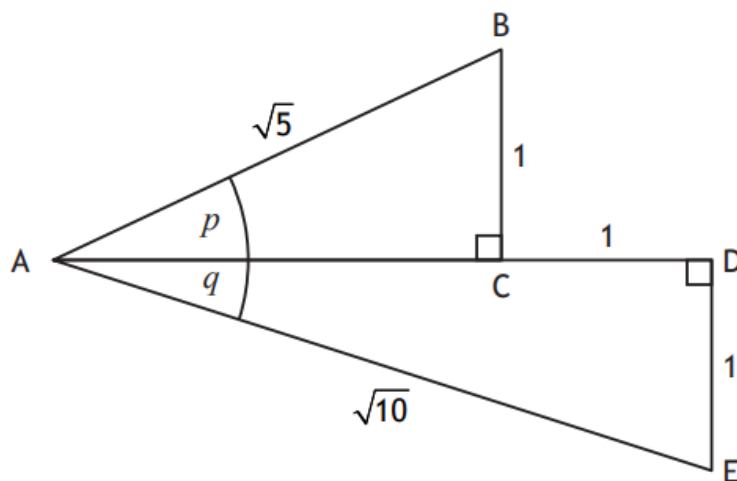


Higher Maths
SQA 2019 Paper 1
Question 13



Triangles ABC and ADE are both right angled.
Angles p and q are as shown in the diagram.



(a) Determine the value of

(i) $\cos p$

1

(ii) $\cos q$.

1

(b) Hence determine the value of $\sin(p+q)$.

3

Answers:

(a) (i) $\frac{2}{\sqrt{5}}$

(ii) $\frac{3}{\sqrt{10}}$

(b) $\frac{1}{\sqrt{2}}$