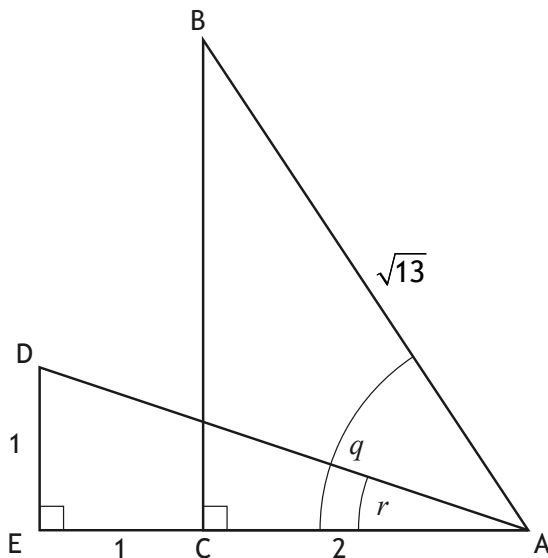


7. Triangles ABC and ADE are both right angled.

Angle $BAC = q$ and angle $DAE = r$ as shown in the diagram.



(a) Determine the value of:

(i) $\sin r$

1

(ii) $\sin q$.

1

(b) Hence determine the value of $\sin(q - r)$.

3