(i) Simplify $3\sqrt{48}+2\sqrt{75}-\dfrac{48}{\sqrt{24}}$. *[Ans: (i)* $22\sqrt{3}-4\sqrt{6}$

(ii) Given that the area of triangle PQR, as shown in the diagram, is $\left(3\sqrt{48}+2\sqrt{75}-\dfrac{48}{\sqrt{24}}\right)\text{cm}^2$ and the length of QR is $\left(11-2\sqrt{2}\right)\text{cm}$, calculate the exact shortest distance from P to QR. [3] *(ii)* $4\sqrt{3}$ cm*]*

Jack visited the newly opened Oceanarium at Sentosa with his family recently. He was there from noon till evening.

Is this activity an example of tourism? Explain your answer.