(ii) Given that the area of triangle
$$PQR$$
, as shown in the diagram, (ii) $4\sqrt{3}$ cm/ is $\left(3\sqrt{48} + 2\sqrt{75} - \frac{48}{\sqrt{24}}\right)$ cm² and the length of QR is $\left(11 - 2\sqrt{2}\right)$ cm, calculate the exact shortest distance from P to QR .

Solve the equation $\sqrt{3x+2} + \sqrt{x+3} = \sqrt{1-2x}$. [Ans: -2/3]

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

Simplify
$$(3-\sqrt{7})^2 - \frac{3}{2+\sqrt{7}} + \frac{112}{\sqrt{28}}$$
, leaving your answer in the form $a+b$ [Ans: $18+\sqrt{7}$]

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比喻爱一个人而兼爱与他 有关的人或事物。