13 Solve the equation $\sqrt{(4x^2 + 45)} = 3x$ where $x > 0$

$x =$ ....

(Total for Question 13 is 3 marks)

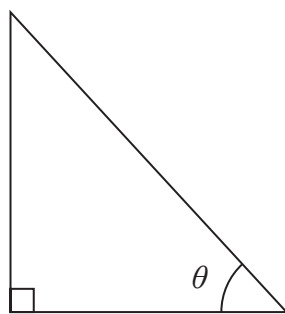**14** Here is a right-angled triangle.

Diagram **NOT** accurately drawn

Given that $\tan\theta = \sqrt{8}$

express $3(\sin\theta + \cos\theta)$ in the form $m + \sqrt{n}$ where m and n are integers.

Show your working clearly.

....

(Total for Question 14 is 3 marks)