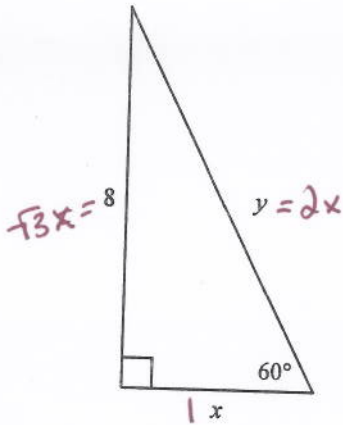


No Calculator

Find the values of x and y .

10.



$$8 = \sqrt{3}x$$

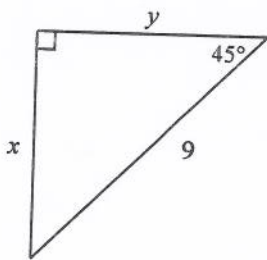
$$x = \frac{8}{\sqrt{3}}$$

$$y = 2x$$

$$y = 2\left(\frac{8}{\sqrt{3}}\right)$$

$$y = \frac{16}{\sqrt{3}}$$

11.



$$x = y$$

$$9 = \sqrt{2}x$$

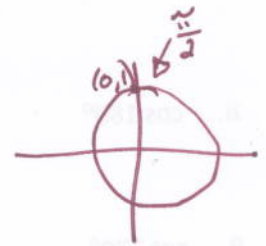
$$x = \frac{9}{\sqrt{2}}$$

$$y = \frac{9}{\sqrt{2}}$$

Evaluate the function without using a calculator.

12. $\sin \frac{\pi}{2} = ($

13. Without using a calculator, find the exact value of $\cos^{-1}\left(\frac{1}{\sqrt{2}}\right)$



$$\cos^{-1}\left(\frac{1}{\sqrt{2}}\right) = 45^\circ$$

