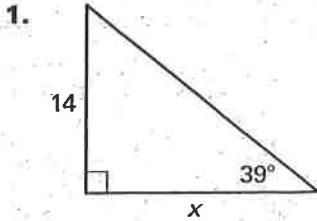
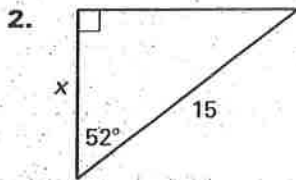


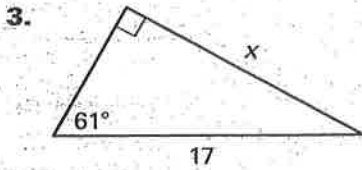
SOH CAH TOA

Find the value of x to the nearest tenth.

$$\tan = \frac{14}{x}$$



$$\cos 52 = \frac{x}{15}$$



$$\sin 61 = \frac{x}{17}$$

Answers

1. 17.3

2. 9.2

3. 14.9

4. 15.8

55°

35°

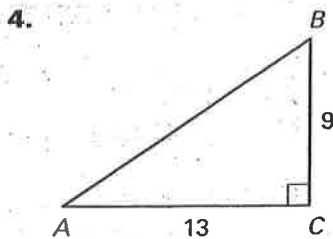
5. 14.4

62°

28°

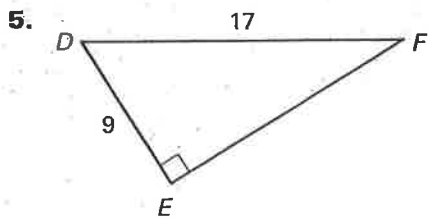
6. 7.1

Solve the right triangles. Round decimal answers to the nearest tenth.



$$9^2 + 13^2 = \sqrt{250}$$

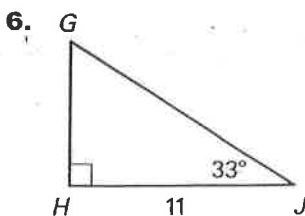
$$\tan^{-1} = \frac{9}{13}$$



$$9^2 + b^2 = 17^2$$

$$289 - 81 = \sqrt{208}$$

$$\tan^{-1} = \frac{9}{17}$$



$$\tan 33 = \frac{x}{11}$$

$$\cos 33 = \frac{11}{x}$$

57°