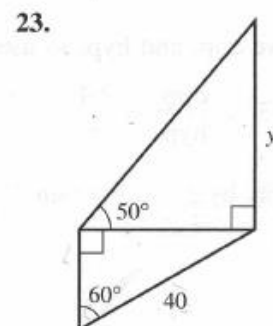
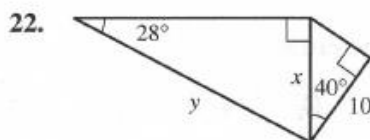
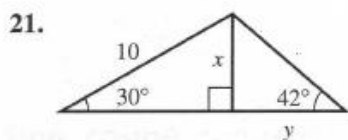
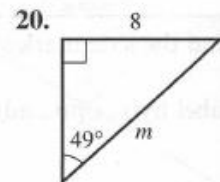
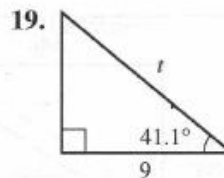
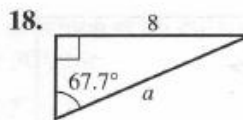
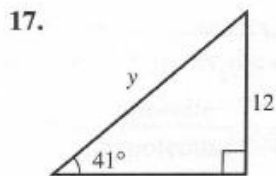
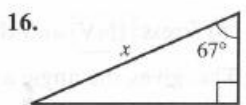
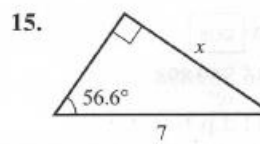
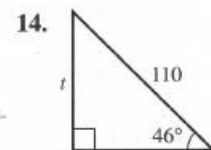
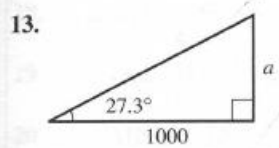
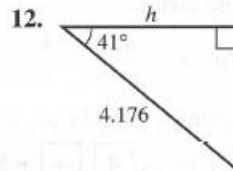
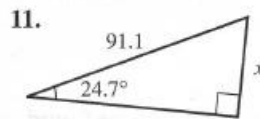
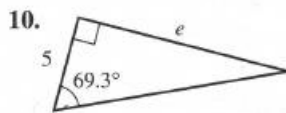
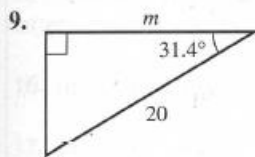
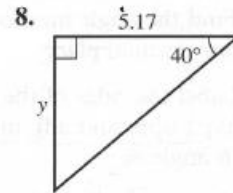
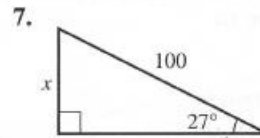
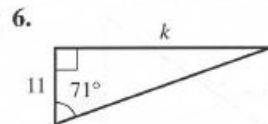
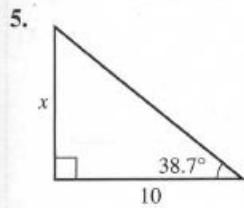
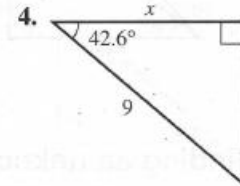
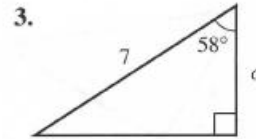
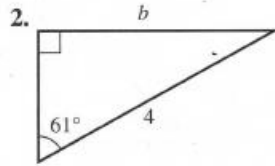
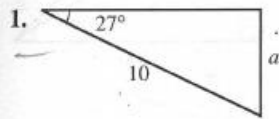


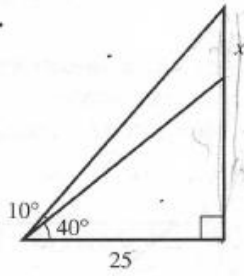
Trigonometry-1

Exercise A

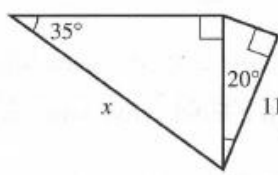
Find the lengths of the sides marked with a letter. Give your answers to three significant figures.



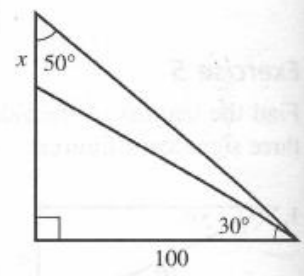
24.



25.



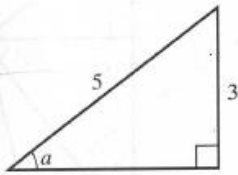
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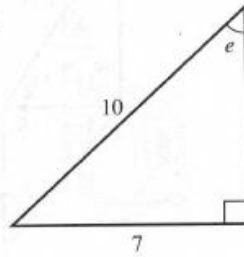
Exercise B

For Questions 1 to 15, find the angle marked with a letter. All lengths are in cm.

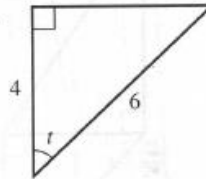
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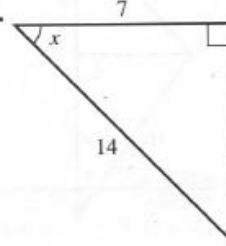
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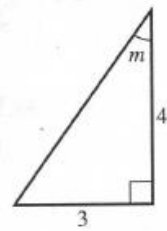
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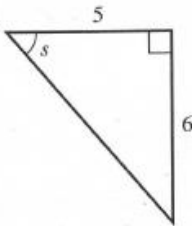
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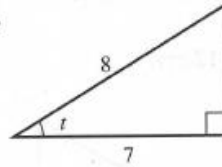
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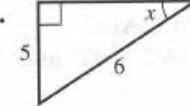
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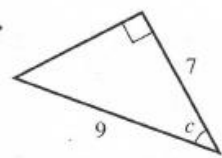
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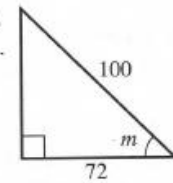
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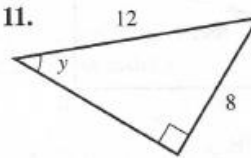
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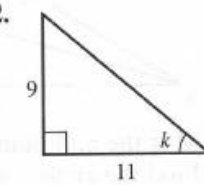
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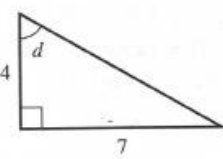
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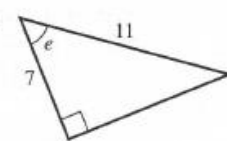
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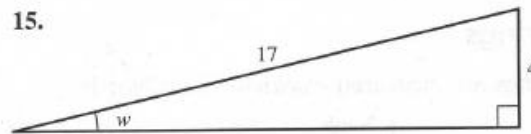
13.



14.



15.



In Questions 16 to 20, the triangle has a right angle at the middle letter.

16. In $\triangle ABC$, $BC = 4$, $AC = 7$. Find \hat{A} .

17. In $\triangle DEF$, $EF = 5$, $DF = 10$. Find \hat{F} .

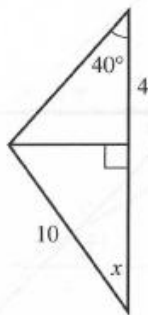
18. In $\triangle GHI$, $GH = 9$, $HI = 10$. Find \hat{I} .

19. In $\triangle JKL$, $JL = 5$, $KL = 3$. Find \hat{J} .

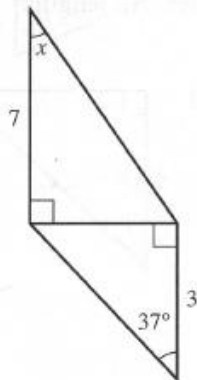
20. In $\triangle MNO$, $MN = 4$, $NO = 5$. Find \hat{M} .

In Questions 21 to 24, find the angle x .

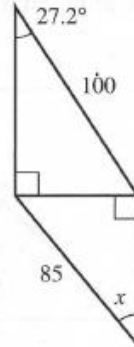
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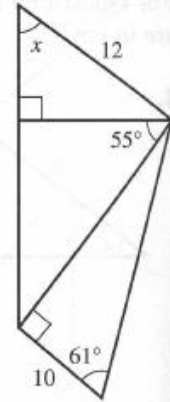
22.



23.

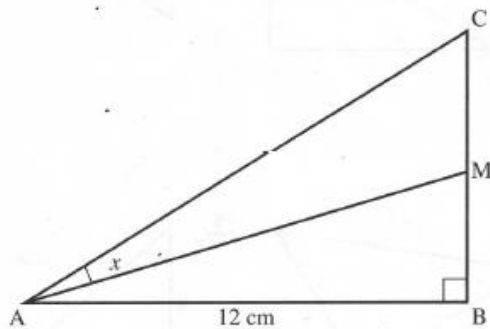


24.



25. In $\triangle ABC$

$\hat{BAC} = 42^\circ$ and $AB = 12$ cm.



M is the mid-point of CB .
Find the angle x to 1 d.p.

