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| *XYZ* is a right-angled triangle.Calculate the length of *XZ*. Give your answer correct to 3 significant figures.              ......................................................................................**(Total for Question is 3 marks)** | *XYZ* is a right-angled triangle.Calculate the length of *XZ*. Give your answer correct to 3 significant figures.              ......................................................................................**(Total for Question is 3 marks)** |
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| The diagram shows a ladder leaning against a vertical wall.The ladder stands on horizontal ground. The length of the ladder is 6 m. The bottom of the ladder is 2.25 m from the bottom of the wall. A ladder is safe to use when the angle marked *y* is about 75°. Is the ladder safe to use? You must show all your working.          **(Total for Question is 3 marks)** | The diagram shows a ladder leaning against a vertical wall.The ladder stands on horizontal ground. The length of the ladder is 6 m. The bottom of the ladder is 2.25 m from the bottom of the wall. A ladder is safe to use when the angle marked *y* is about 75°. Is the ladder safe to use? You must show all your working.          **(Total for Question is 3 marks)** |
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| *ABC* is a triangle.Work out the length of the side *AB*.      Give your answer correct to 3 significant figures.           ..........................................................................**(Total for Question is 3 marks)** | *ABC* is a triangle.Work out the length of the side *AB*.      Give your answer correct to 3 significant figures.           ..........................................................................**(Total for Question is 3 marks)** |
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|   Diagram NOT accurately drawn*ABC* is a triangle. *AB* = 8.7 cm. Angle *ABC* = 49°.Angle *ACB* = 64°.Calculate the area of triangle *ABC*.Give your answer correct to 3 significant figures.         . . . . . . . . . . . . . . . . . . . . . cm2**(Total for Question is 5 marks)** |   Diagram NOT accurately drawn*ABC* is a triangle. *AB* = 8.7 cm. Angle *ABC* = 49°.Angle *ACB* = 64°.Calculate the area of triangle *ABC*.Give your answer correct to 3 significant figures.         . . . . . . . . . . . . . . . . . . . . . cm2**(Total for Question is 5 marks)** |
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