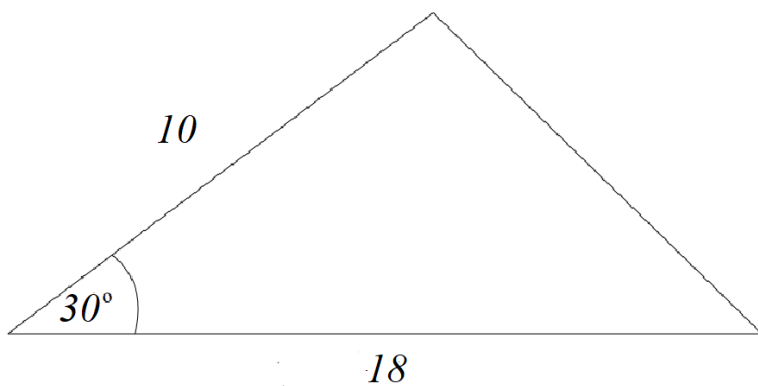




Finding the Area of any Triangle Exam Practice

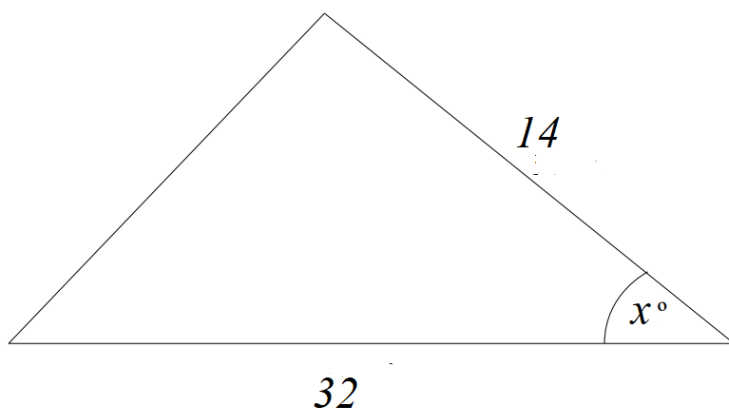
Q1. Find the area of the triangle below to 1 decimal place.



Answer: _____
(2 marks)



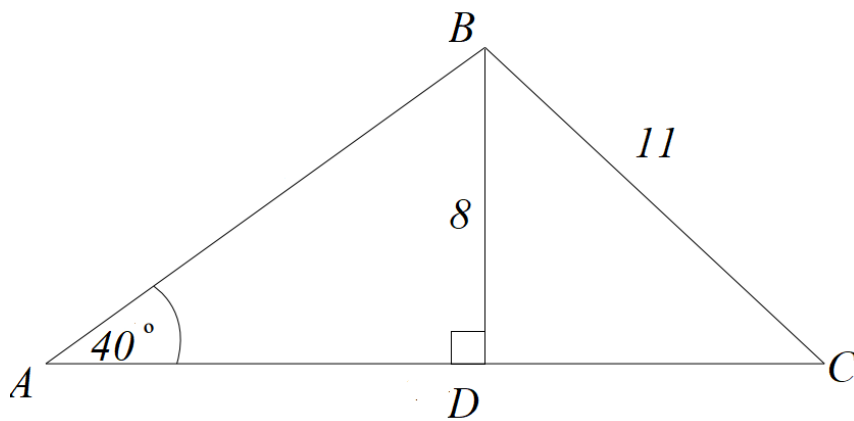
Q2. The area of the triangle below is 175 square units.
Find the size of angle x to 1 decimal place.



Answer: _____
(3 marks)



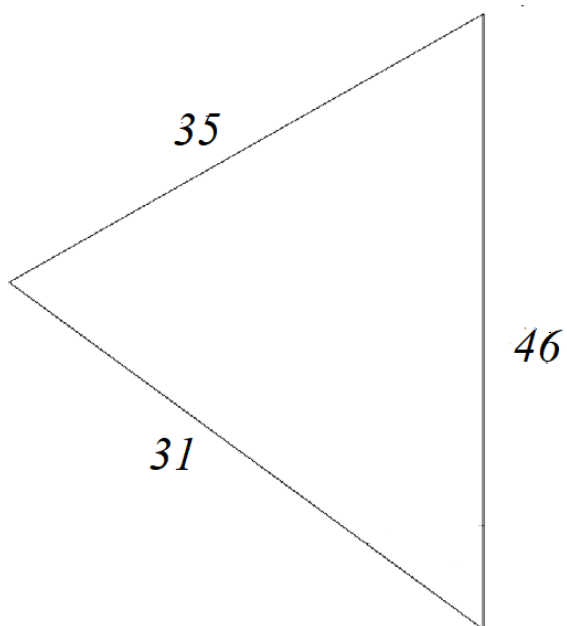
Q3. Find the area of the triangle ABC to 2 decimal places.



Answer: _____
(4 marks)



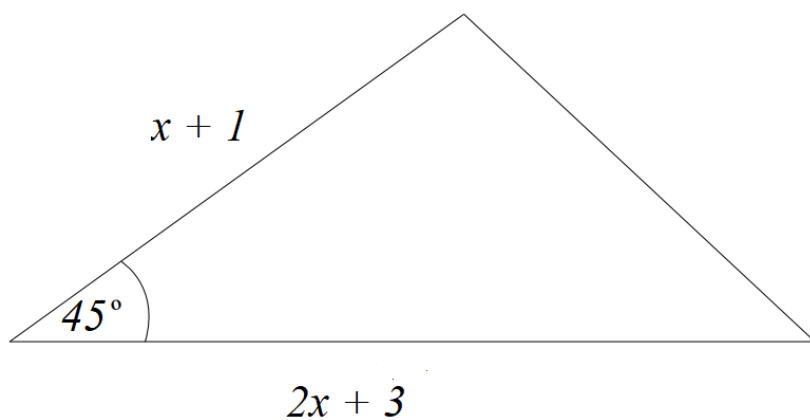
Q4. Find the area of the triangle below to 3 significant figures:



Answer: _____
(6 marks)



Q5. The area of the triangle below is $\frac{3\sqrt{2}}{2}$ square units. Find the value of x .

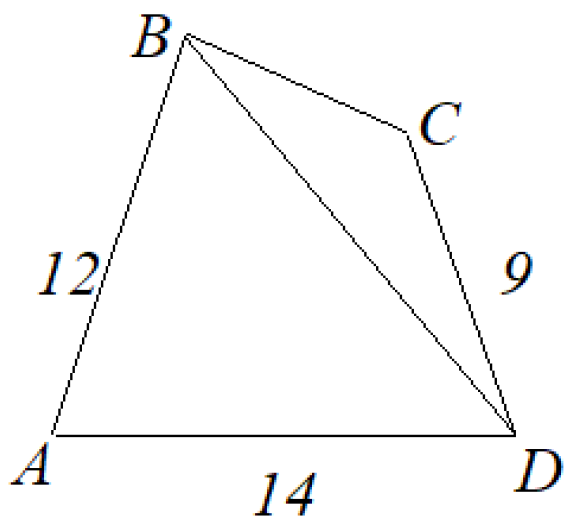


Answer: _____

(5 marks)



Q6. In the quadrilateral ABCD below, angles $BDC = 20^\circ$, $ADB = 78^\circ$.
Find the area of triangle BCD.



Answer: _____
(5 marks)



Problem Questions:

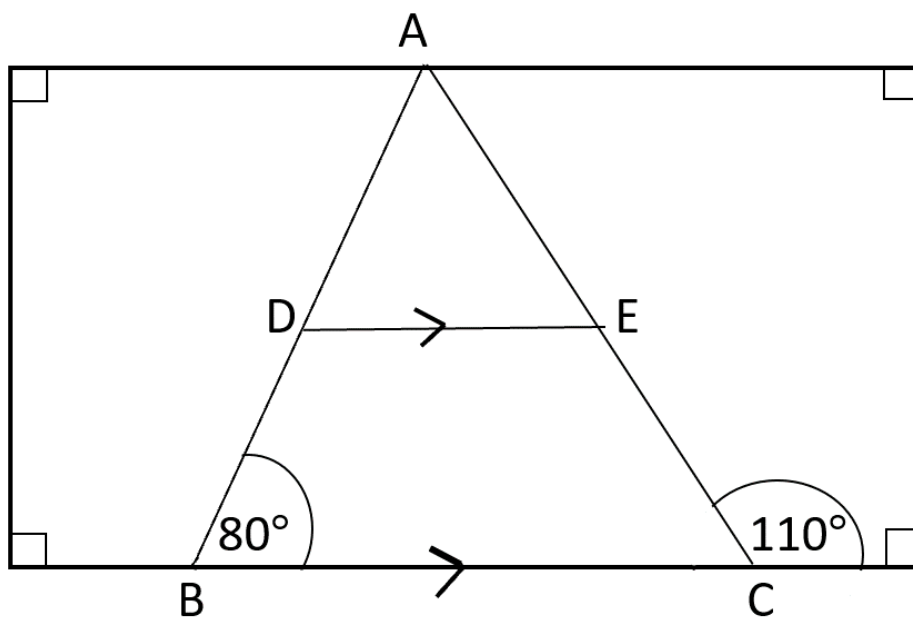
Q7. A ship sets off from port P on a bearing of 125° . After 35 miles it reaches port Q. It then changes direction and proceeds on a bearing of 40° for x miles until it reaches point R. The direct distance PR is 100 miles.

Find the area of the triangle PRQ to 2 decimal places.

Answer: _____
(4 marks)



Q8. Below $AD = 2$ cm, $BD = 3$ cm and $AE = 2.5$ cm. Find the area of the triangle ABC to 2 decimal places.



Answer: _____

(5 marks)