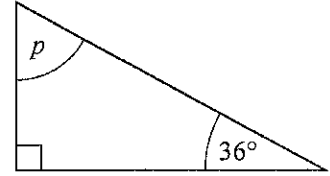


1. Work out the size of angle p.

90 + 36 = 126

180  
126  
054



Answer ..... 54 degrees

(Total 2 Marks)

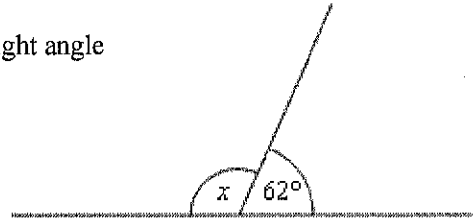
2. (a) Circle the word which best describes angle x.

acute    alternate    obtuse    opposite    reflex    right angle

(1)

(b) Calculate the value of x.

180  
62  
118



Answer ..... 118 degrees

(2)  
(Total 3 Marks)

3. (a) Choose the word from this list which describes an angle of 97 degrees.

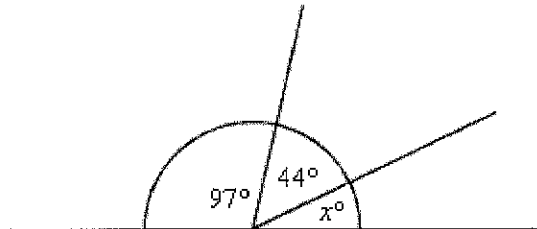
acute    right angle    obtuse    reflex

Answer..... Obtuse

(1)

(b) Calculate the value of x.

97 + 44 = 141  
180 - 141 = 39



Answer x = ..... 39 degrees

(2)  
(Total 3 marks)

4. (a) What types of angle are 78 degrees and 144 degrees?

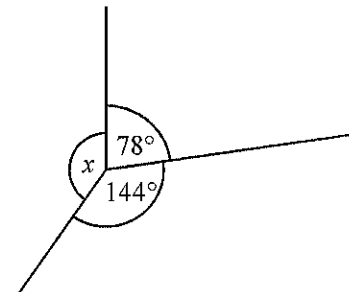
Answer: 78 degrees is... acute

144 degrees is... obtuse

(b) Work out the value of x.

144 + 78 = 222

360  
222  
138



Answer x = ..... 138 degrees

(2)  
(Total 4 marks)

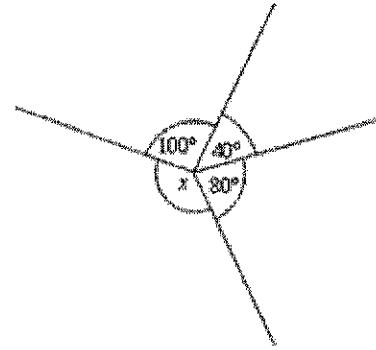
Angle Facts

5. Work out the size of angle  $x$ .

$$100 + 40 + 80 = 220$$

$$360 - 220$$

Answer  $140^\circ$  degrees



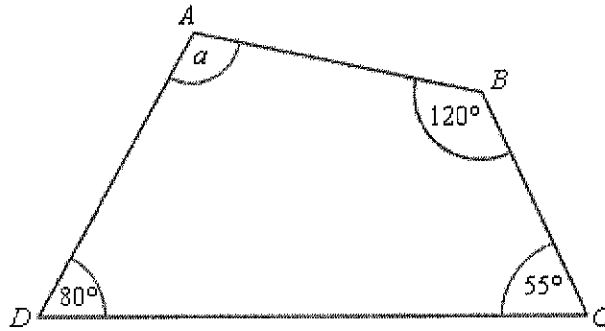
(Total 2 marks)

6.  $ABCD$  is a quadrilateral.

Work out the value of  $a$ .

$$\begin{array}{r} 120 \\ 55 \\ 80 \\ \hline 255 \\ 360 \\ \hline 105 \end{array}$$

Answer  $105^\circ$  degrees



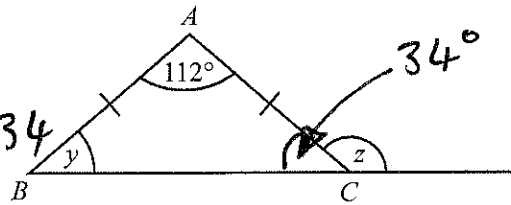
(Total 2 marks)

7. The diagram shows an isosceles triangle  $ABC$ .

(a) Calculate the size of angle  $y$ .

$$180 - 112 = 68 \quad 68 \div 2 = 34$$

Answer  $y = 34$  degrees



(2)

(b) Calculate the size of angle  $z$ .

$$180 - 34 = 146^\circ$$

Answer  $z = 146^\circ$  degrees

(1)

(Total 3 marks)

8. (a)  $ABC$  is an isosceles triangle with  $AB = BC$

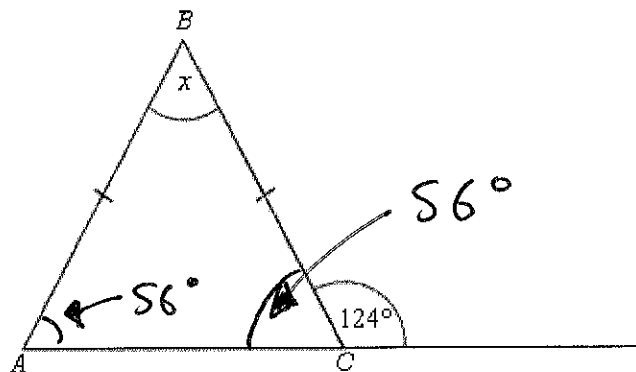
Calculate the size of the angle marked  $x$ .

$$180 - 124 = 56^\circ$$

$$56 \times 2 = 112$$

$$180 - 112 = 68$$

Answer  $68^\circ$  degrees



(Total 3 Marks)

Mark (Out of 19):

Comment: