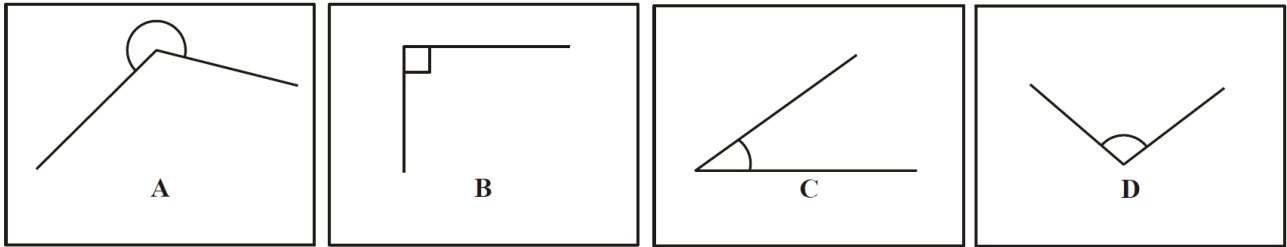


4.1b Angles Revision

1. Name the angles below.



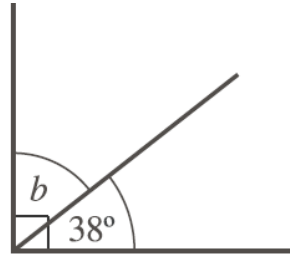
2. Find the missing angles in the questions below.

(a)



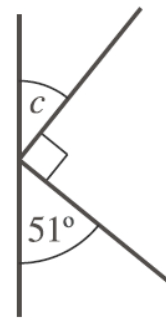
a =

(b)



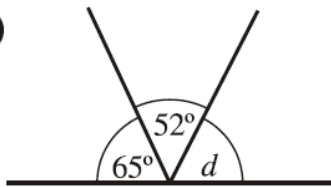
b =

(c)



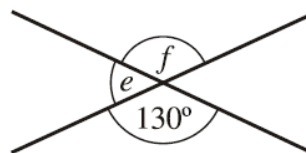
c =

(d)



d =

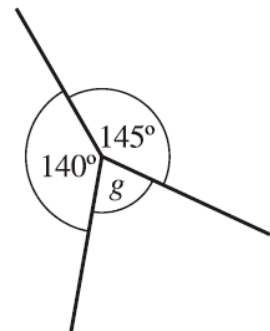
(e)



e =

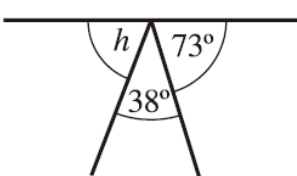
f =

(f)



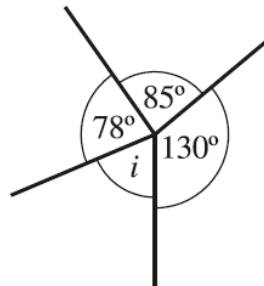
g =

(g)



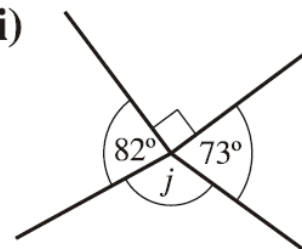
h =

(h)



i =

(i)

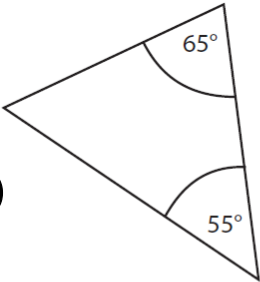


j =

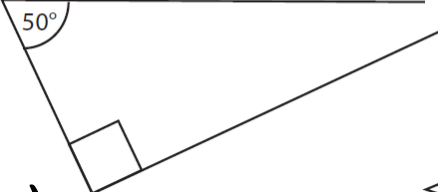
Remember... Angles on a straight line add up to 180°
Angles around a point add up to 360°

3. Find the missing angles below.

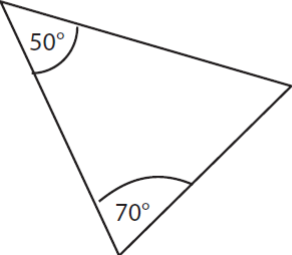
a)

1. 

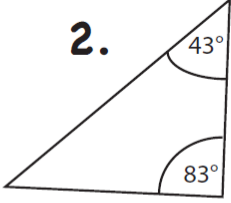
d)

4. 

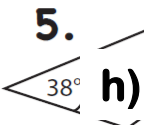
g)

7. 

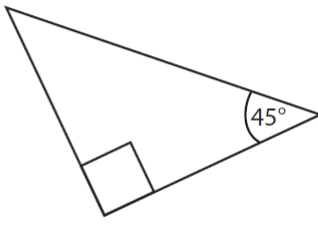
b)

2. 

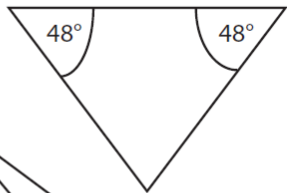
e)

5. 

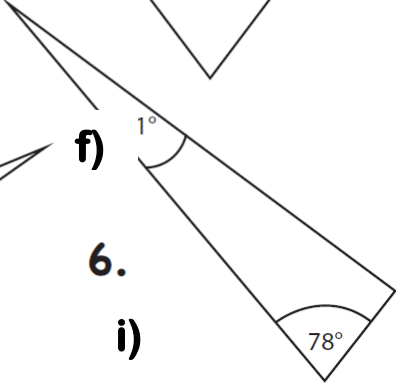
h)

8. 

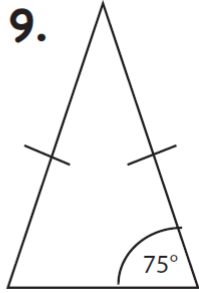
c)

3. 

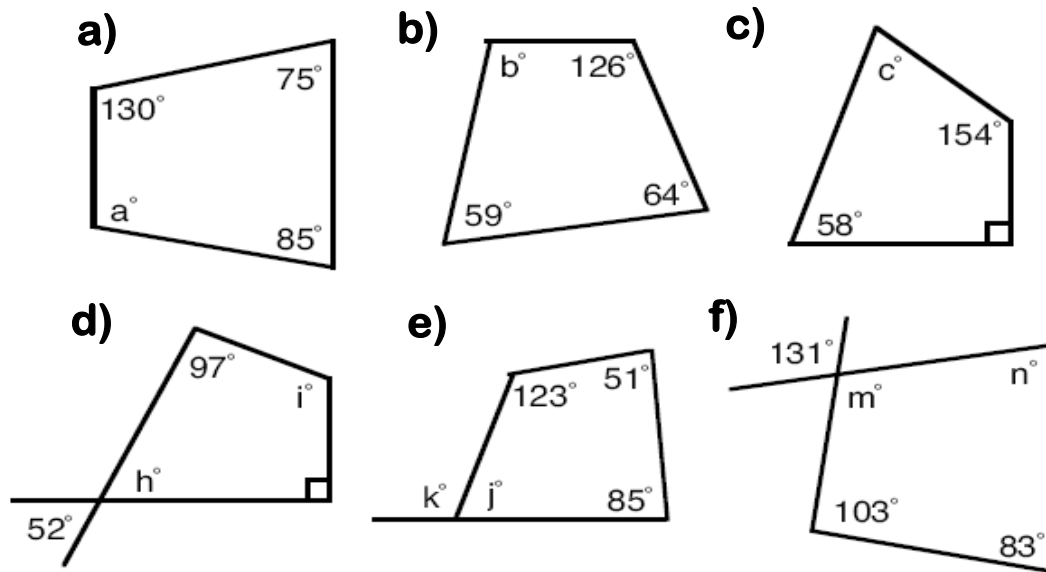
f)

6. 

i)

9. 

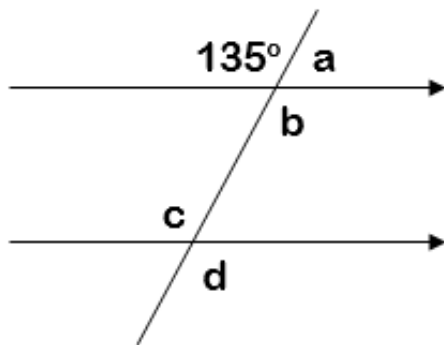
4. Find the missing angles below.



Remember... Angles in a triangle add up to 180°
 Angles in a quadrilateral add up to 360°
 Opposite angles are equal

5. Calculate the value of the letters in each question.

1)



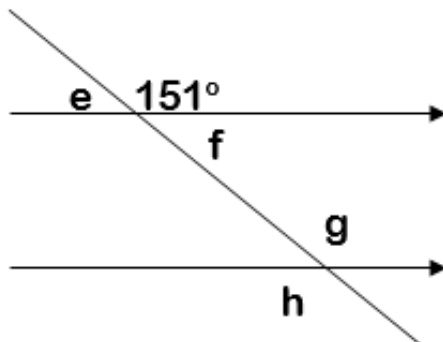
a =

b =

c =

d =

2)



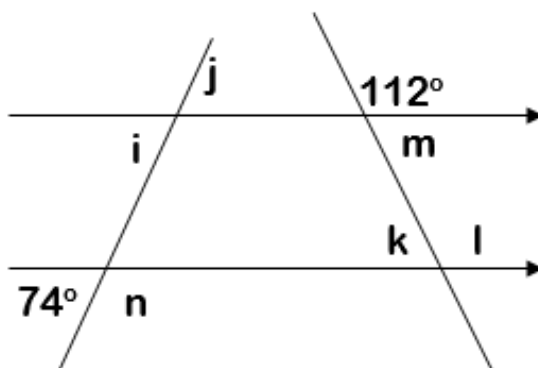
e =

f =

g =

h =

3)



i =

j =

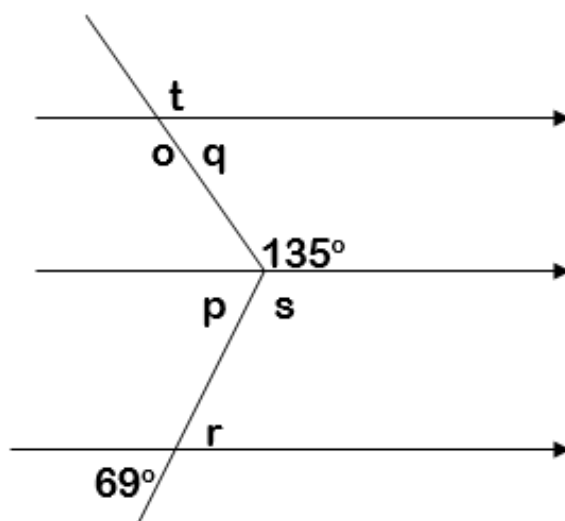
k =

l =

m =

n =

4)



o =

p =

q =

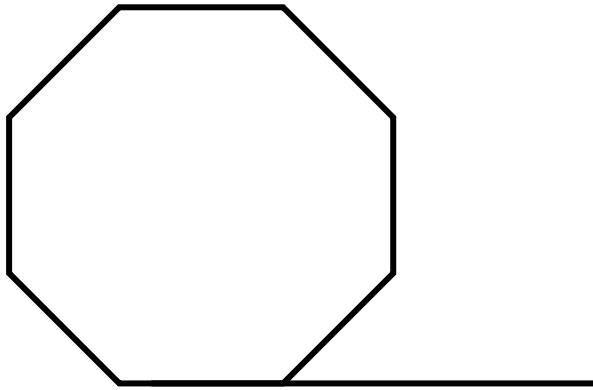
r =

s =

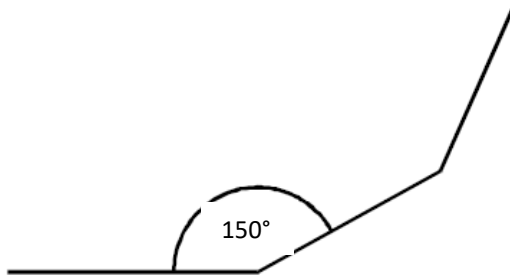
t =

Remember... Alternate angles (Z angles) are equal.
Corresponding angles (F angles) are equal.
Interior angles (C angles) add up to 180°.

6. Calculate the size of the interior and exterior angle below.



7. Calculate the number of sides of the polygon (each exterior angle is 150°)



Not drawn accurately

Remember... Exterior Angle = $\frac{360^\circ}{\text{number of sides}}$

Interior Angle = $180^\circ - \text{exterior angle}$

Number of sides = $\frac{360^\circ}{\text{exterior angle}}$

Answers

1. A) Reflex B) Right Angle C) Acute D) Obtuse
2. (a) 158° (b) 52° (c) 39° (d) 63° (e) 50° (f) 130° (g) 75° (h) 69° (i) 67° (j) 115°
3. (a) 60° (b) 54° (c) 84° (d) 40° (e) 10° (f) 91° (g) 60° (h) 45° (i) 30° and 75°
4. (a) 70° (b) 111° (c) 58° (d) 52° and 121° (e) 79° and 101° (f) 131° and 43°
5. (a) 45° (b) 135° (c) 135° (d) 135° (e) 29° (f) 29° (g) 151° (h) 151° (i) 74° (j) 74° (k) 68° (l) 112° (m) 68° (n) 106° (o) 135° (p) 69° (q) 45° (r) 111° (s) 111° (t) 135°
6. Exterior angle = 45° , Interior angle = 135°
7. 12 sides.