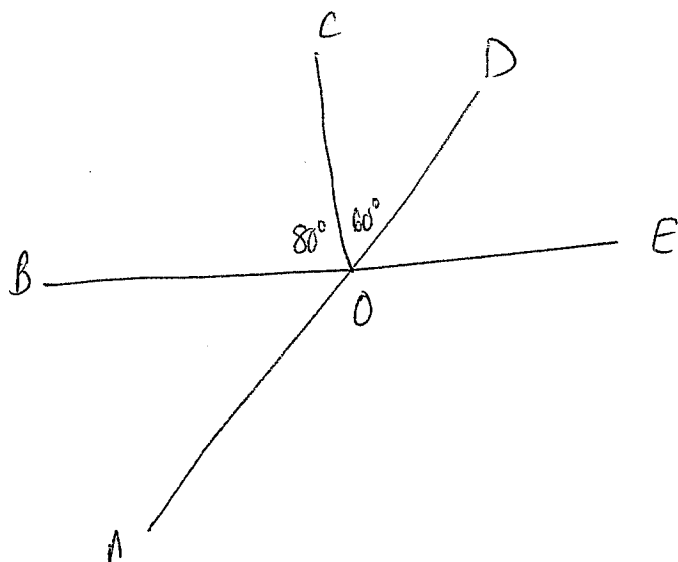


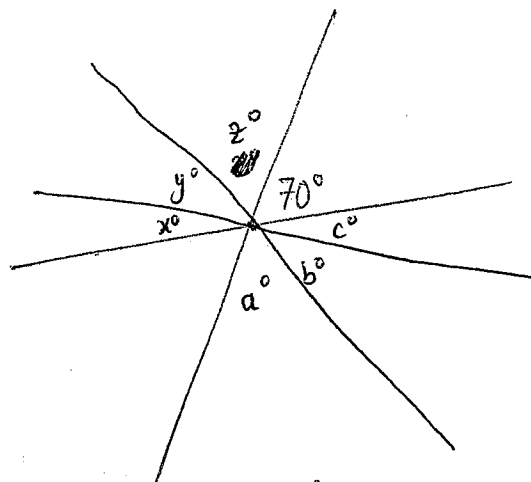
# Geometry: angles and triangles

1.



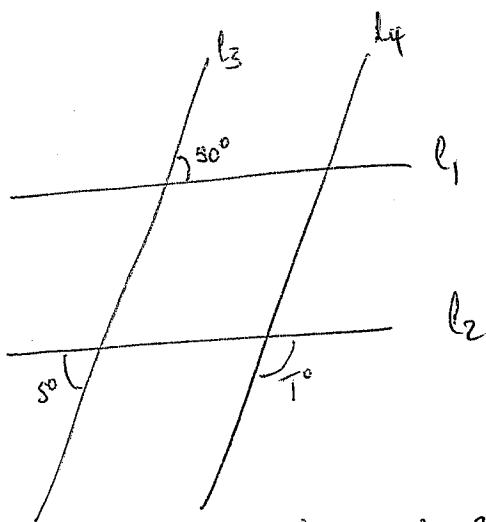
What ~~is~~ is the angle  $\angle AOE$ ?

2.



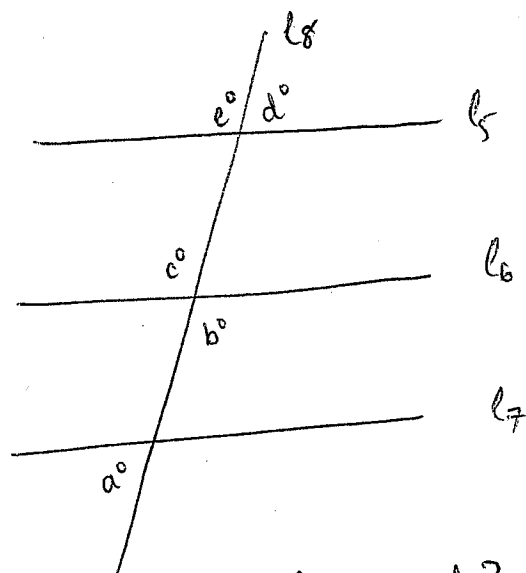
What is the value of  $x + y + z + a + b + c =$

3. Lines  $l_1$  and  $l_2$  are parallel,  
also, lines  $l_3$  and  $l_4$  are parallel.



What are the values of  $s$  and of  $t$ ?

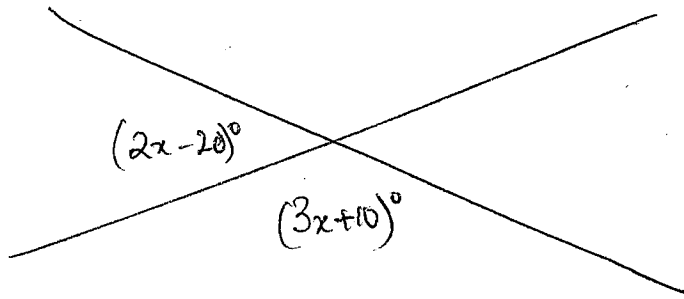
4. Lines  $l_5, l_6, l_7$  are parallel.



• What is the value of  $a + b + c + d$ ?

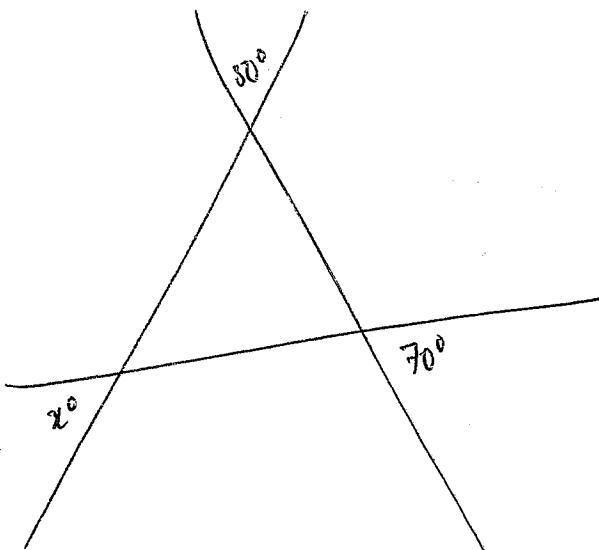
• Can you say anything about the value of  $a + b + c + d + e$ ?

5.



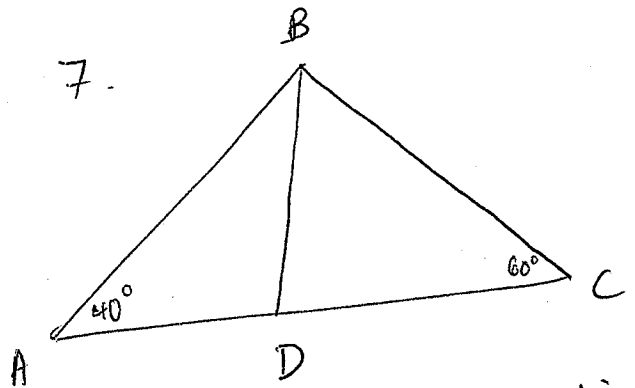
what is the value of  $x$ ?

6.



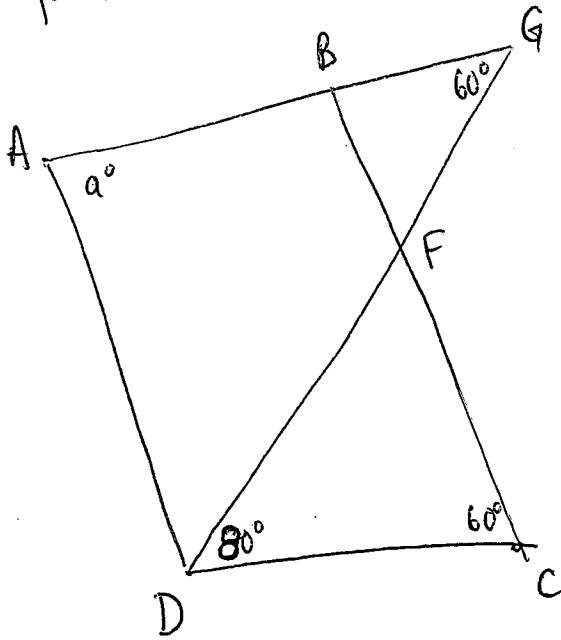
what is the value of  $x$  here?

7.



In the figure above, the ~~se~~ line segment  $BD$  bisects the angle  $\angle ABC$ . what is the measure of the angle  $\angle BDC$ ?

8. The line segments  $AD$  and  $BC$  below are parallel.



What is the value of  $a$ ?

10. What is the length in feet of a ladder 28 feet from the foot of a building that reaches up 21 feet along the wall of the building?

9.

