

**Quiz on Lessons 4.6-4.9**

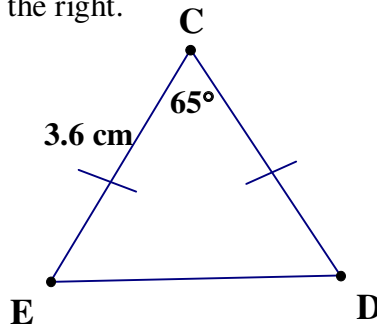
Name \_\_\_\_\_ Period \_\_\_\_\_

Find each of the missing measures for the figure at the right.

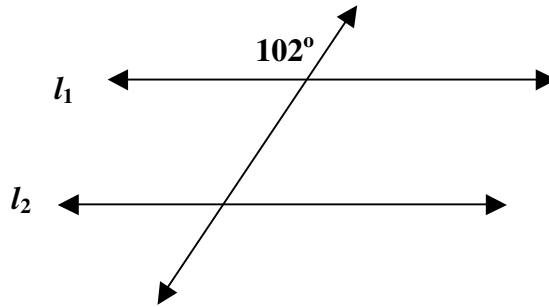
1)  $CD =$

2)  $m\angle CED =$

3) If the perimeter of  $\triangle CED$  is 12.2cm, find the length of  $\overline{DE}$ .  $DE =$



4) Fill in the measure of each missing angle in the figure at the right given that  $l_1 \parallel l_2$ .



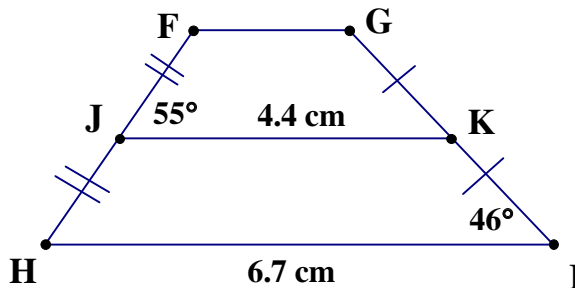
Find each of these missing measures for Trapezoid FHIG.

5)  $FG =$

6)  $m\angle JHI =$

7)  $m\angle JKG =$

8)  $m\angle JFG =$



9) Sketch equilateral  $\triangle DOG$ . If the perimeter is 39 cm, find the perimeter of the triangle formed by the midpoints of its three sides. Show your work below.

10) State Conjecture C-14.

**ANSWERS BELOW:**

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**1) 3.6 cm**

**2) 57.5**

**3) 5 cm**

**4) all obtuse angles are 102 and all acute angles are 78 degrees**

**5) 2.1 cm**

**6) 55**

**7) 46**

**8) 125**

**9) 19.5 cm**

**10) If a triangle has two angles of equal measure, then it is isosceles.**