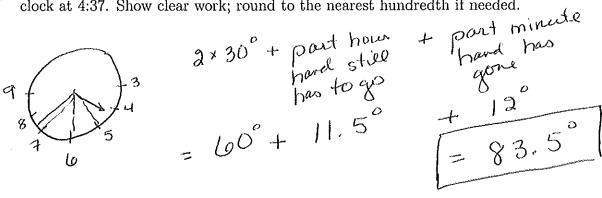


- (a) Among the points shown in the left-hand diagram, circle all possible points C that would make  $\angle ABC$  exactly a right angle.
  - (b) Among the points shown in the center diagram, circle all possible points C that would make  $\angle ACB$  an obtuse angle.
  - (c) Among the points shown in the right-hand diagram, circle the single point C that would make  $\angle BAC$  closest to a zero angle.

•	8	•	•	•	•	•	•	•	•	0	•		6	•
•	•	9 (	•	•	•	•	•	•	•	0	0	0	•	<b>O</b>
		•			•	• (	0	▶B	0			•		
•	$A \bullet$	•	•	•	<b>e</b> /	100		•	•	• /	10	•	•	•
					•	•	0		•	0	0	•	•	•

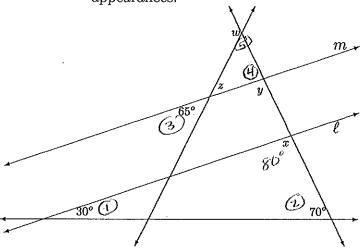
2. (a) Find the measurement of the non-reflex angle formed by the hands of a working clock at 4:37. Show clear work; round to the nearest hundredth if needed.



(b) Name two times of day when the hands of a working clock form a 75° angle.

3:30 or 8:30

(3.) In the diagram below,  $\ell \parallel m$ . Find the measures of the indicated angles. Clearly explain in sentences all necessary computations, using correct  $m(\angle \_)$  notation throughout. You may mark additional angles if you wish. Do not judge any measurements by appearances.



$$x \times 1, \times 0, 4 \times 3$$
 are in a triangle, so  $m(x \times 1) = 80^{\circ}$ .

$$xx + xy$$
 are corresponding  
 $xx + xy$  are corresponding  
 $xx + xy = 80$ .  
 $xx + xy = 80$ .

$$47 + 43$$
 and  $\sqrt{2} = 65$