

TEACHER'S NAME: _____

NAME: _____

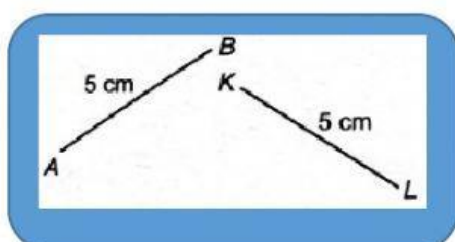
CLASS: _____

8.1 LINES AND ANGLES

NOTES

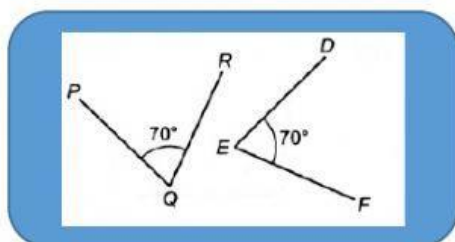
- Two or more lines are congruent when all the lines have the same length
- Two or more angles are congruent when all the angles have the same size

A Determine whether the figure below is congruent or not (Choose an answer)



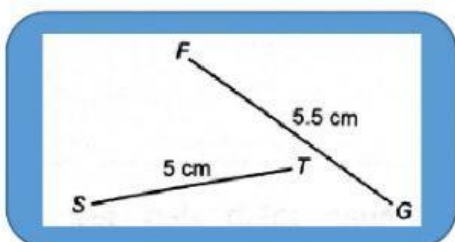
Congruent

Not a Congruent



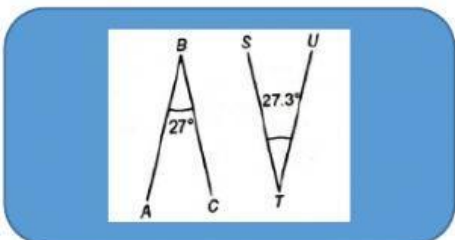
Congruent

Not a Congruent



Congruent

Not a Congruent



Congruent

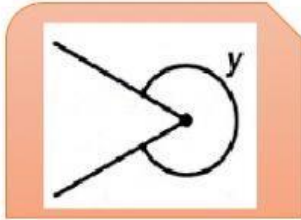
Not a Congruent

B Match the angles below with the diagram and the correct angle size.



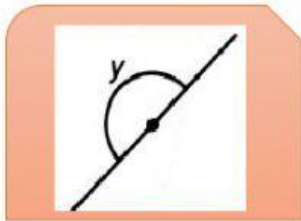
Reflex Angle

$$y = 360^{\circ}$$



Angle of one whole
return

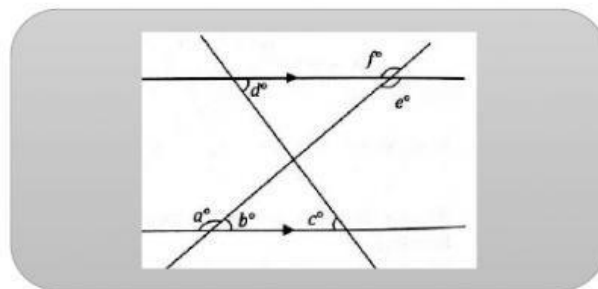
$$y = 180^{\circ}$$



Angle on a straight line

$$180^{\circ} < y < 360^{\circ}$$

C Match the angle pair with the correct angle type.



$\angle b$ and $\angle e$

Corresponding angles

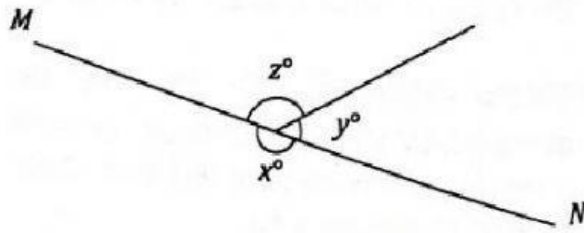
$\angle c$ and $\angle d$

Alternate Angles

$\angle a$ and $\angle f$

Interior Angles

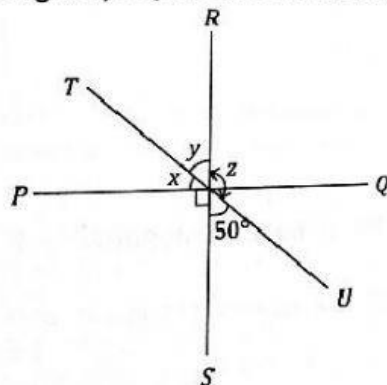
D Mark / on the correct statement and X for the incorrect statement in the diagram below.



z° is the reflex angle	
$y^\circ + z^\circ$ is equal to x°	
$x^\circ + y^\circ + z^\circ$ is an angle of one whole return	
x° and z° are supplementary angles	

E Solve

a In the diagram, PQ, RS and TU are straight lines.



40°	90°
50°	130°

Based on the answer choices given above, write the value of the angle.

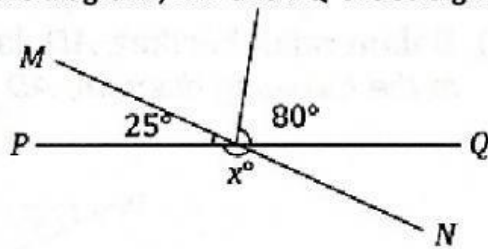
(Write numbers only. Example 50)

$\angle x =$ _____

$\angle y =$ _____

$\angle z =$ _____

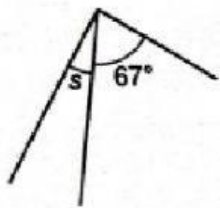
b In the diagram , MN and PQ are straight lines.



Choose a correct calculation step to determine the value of x and mark / in the answer space and mark X if not.

$x = 180^{\circ} - 25^{\circ}$	<input type="checkbox"/>
$x = 180^{\circ} - 80^{\circ}$	<input type="checkbox"/>
$x = 80^{\circ} + 25^{\circ}$	<input type="checkbox"/>

c



23°

49°

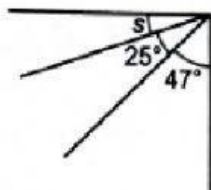
67°

52°

Find the value of s.

(Choose 1 answer)

d



25°

15°

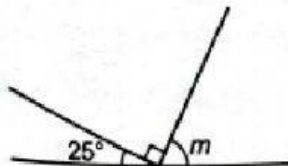
35°

18°

Find the value of s.

(Choose 1 answer)

e



70°

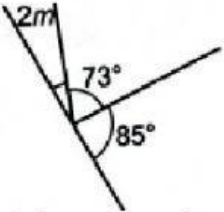
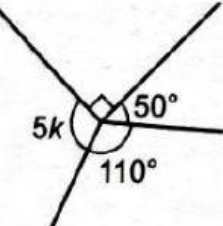
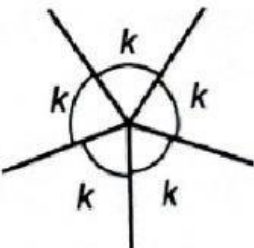
61°

65°

54°

Find the value of m.

(Choose 1 answer)

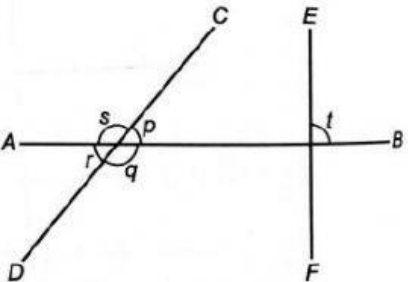
f	 <p>Find the value of m.</p>	<div>71°</div> <div>56°</div> <div>65°</div> <div>11°</div> <p>(Choose 1 answer)</p>
g	 <p>Find the value of k.</p>	<div>14°</div> <div>22°</div> <div>31°</div> <div>40°</div> <p>(Choose 1 answer)</p>
h	 <p>Find the value of k.</p>	<div>72°</div> <div>78°</div> <div>66°</div> <div>52°</div> <p>(Choose 1 answer)</p>

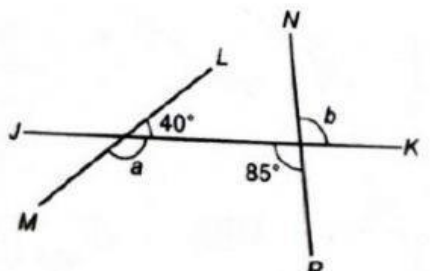
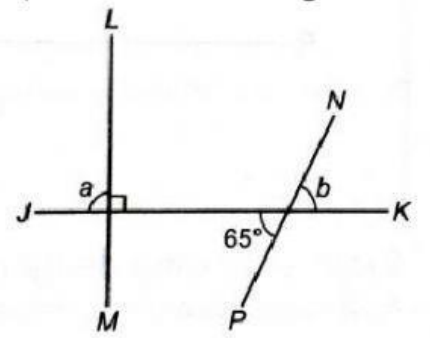
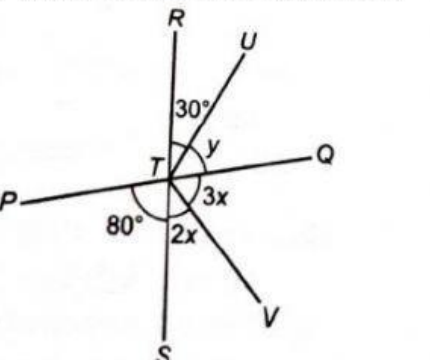
8.2 ANGLES RELATED TO INTERSECTING LINES

NOTES

- All angles on two intersecting lines perpendicular to each other are 90° .

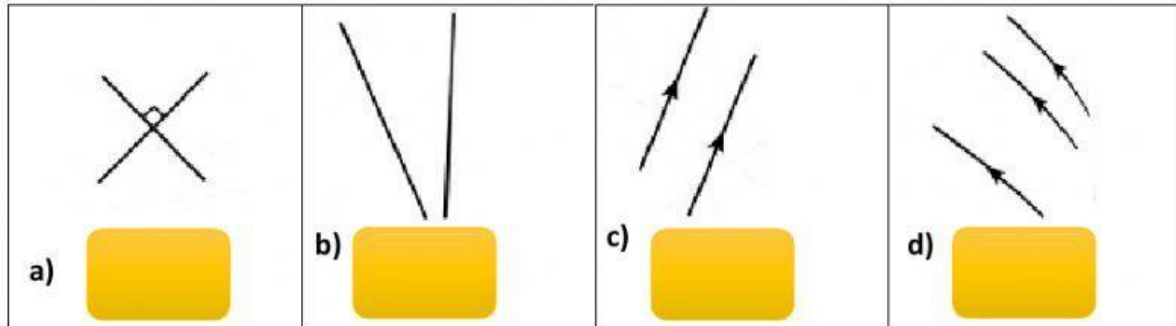
F Solve.

a	<div>  <p>The opposite angles are the same..</p> </div> <div> <p>i) $\angle p = \angle \underline{\hspace{2cm}}$</p> <p>ii) $\angle q = \angle \underline{\hspace{2cm}}$</p> </div>
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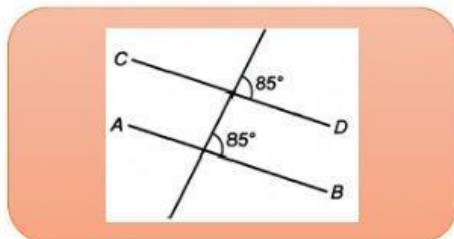
b	<p>JK, LM and NP is a staright lines.</p>  <p>Find the value of a and b.</p>	<div data-bbox="877 112 1101 224">$a = 100^0$</div> <div data-bbox="1117 112 1356 224">$a = 140^0$</div> <div data-bbox="877 246 1101 358">$b = 80^0$</div> <div data-bbox="1117 246 1356 358">$b = 85^0$</div>
c	<p>JK, LM and NP is a staright lines.</p>  <p>Find the value a and b.</p>	<div data-bbox="877 560 1101 672">$a = 90^0$</div> <div data-bbox="1117 560 1356 672">$a = 95^0$</div> <div data-bbox="877 694 1101 806">$b = 65^0$</div> <div data-bbox="1117 694 1356 806">$b = 55^0$</div>
	<p>PTQ and RTS is a staright lines.</p>  <p>Find the value x and y.</p>	<div data-bbox="877 1052 1101 1164">$x = 35^0$</div> <div data-bbox="1117 1052 1356 1164">$x = 20^0$</div> <div data-bbox="877 1187 1101 1299">$y = 50^0$</div> <div data-bbox="1117 1187 1356 1299">$y = 70^0$</div>

8.3 ANGLES RELATED TO PARALLEL LINES AND TRANSVERSALS

G Mark / on parallel lines and X if not.

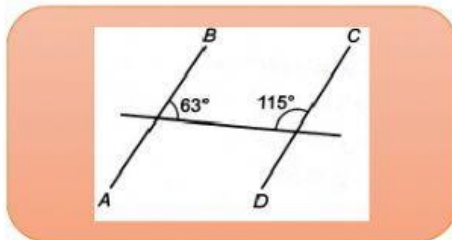


I Determine whether the line AB is parallel or non -parallel.



Parallel

Not a Parallel

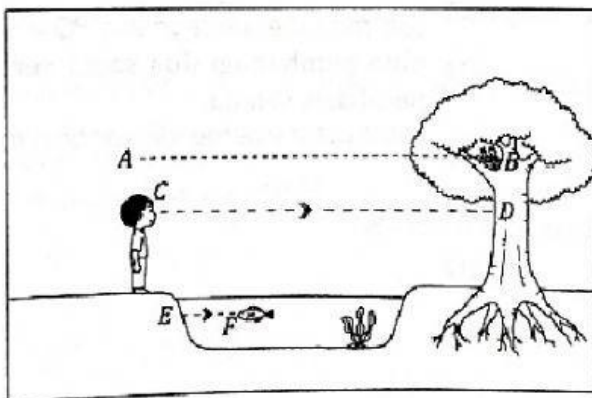


Parallel

Not a Parallel

K Solve the questions below to identify the angle of elevation or the angle of depression

The diagram shows the situation. The lines AB, CD and EF are parallel.



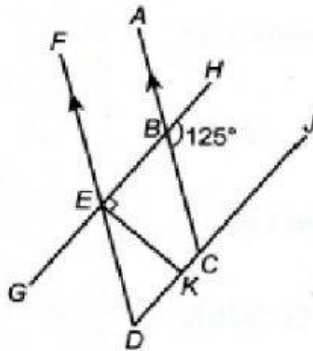
Determine the angle in the answer space either the angle of elevation or the angle of depression.

(Write in words in the answer space. Use small letters)

$\angle DCF$	
$\angle DCB$	
$\angle EFC$	
$\angle ABC$	

L Solve

a) GEBH and DKCJ is a straight lines.



i) i) Name the corresponding angle of $\angle HBC$.

(Follow the alphabetical order when writing. Example: ABC)



ii) Find the value of $\angle KED$. (Choose 1 answer)

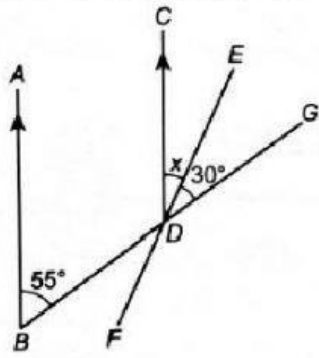
42°

38°

35°

48°

b) BDG and EDF is a straight lines.



i) State the corresponding angle of $\angle ABD$.



ii) Hence, state the value of x . (Pilih 1 jawapan)

29°

25°

35°

43°