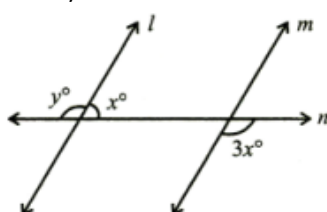
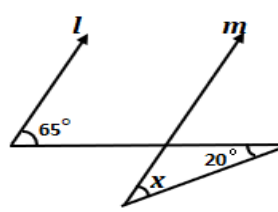
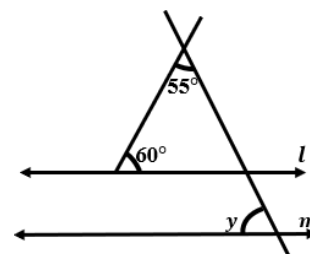
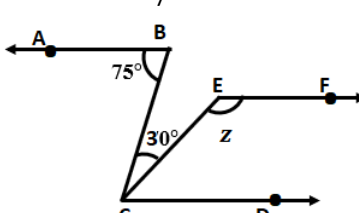


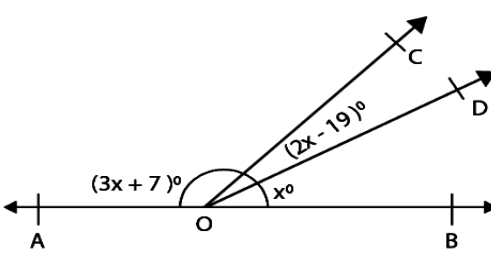
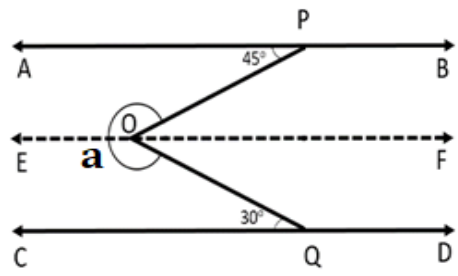
INDIAN SCHOOL AL WADI AL KABIR

Class IX, Mathematics **Worksheet- LINES AND ANGLES**
06-06-2021

OBJECTIVE TYPE (1 Mark)

Q.1.	Supplement of angle is one fourth of itself. The measure of the angle is							
	A	124°	B	144°	C	44°	D	104°
Q.2.	The value of x from the adjoining figure, if l parallel to m is							
	A	15°	B	60°	C	75°	D	30°
Q.3.	In ΔABC , $\angle A : \angle B : \angle C = 2 : 3 : 5$, then the angle at B is							
	A	56°	B	54°	C	160°	D	50°
Q.4.	In adjoining figure if $\angle A = (3x + 2)^\circ$, $\angle B = (x - 3)^\circ$, $\angle ACD = 127^\circ$, then $\angle A$ is							
	A	80°	B	88°	C	95°	D	98°
Q.5.	If angle with measure x and y form a complementary pair, then angles with which of the following measures will form a supplementary pair?							
	A	$(x + 47)^\circ$, $(y + 43)^\circ$	B	$(x - 23)^\circ$, $(y + 23)^\circ$	C	$(x - 43)^\circ$, $(y - 47)^\circ$	D	No such pair is possible
Q.6.	The sum of angles at a point on one side of a line is equal to _____ right angles.							
	A	4	B	3	C	1	D	2

Q.7.	If two interior angles on the same side of a transversal intersecting two parallel lines are in the ratio 2:3, then find the greater of the two angles.						
A	18°	B	128°	C	108°	D	72°
Q.8.	An exterior angle of a triangle is 105° and its two interior opposite angles are equal, then the value of these equal angles are						
A	52°	B	$\left(52 \frac{1}{2}\right)^\circ$	C	105°	D	$\left(37 \frac{1}{2}\right)^\circ$
Q.9.	In figure, if $l \parallel m$, what is the value of y ?						
							
A	135°	B	45°	C	90°	D	105°
Q.10.	In the given figure, if lines $l \parallel m$, then x						
							
A	35°	B	95°	C	65°	D	45°
Q.11.	In the adjoining figure, if $l \parallel m$ then $\angle y$ is						
							
A	105°	B	65°	C	45°	D	115°
Q.12.	In the adjoining figure, $AB \parallel CD$. The value of y which will make $EF \parallel CD$ is						
							
A	165°	B	135°	C	120°	D	155°

Q.13.	If AOB is a straight line then x is 						
A	64°	B	15°	C	32°	D	30°
Q.14.	In the figure, angle a is 						
A	285°	B	275°	C	85°	D	265°
Q.15.	Two angles measure $(55^\circ + 3b)$ and $(115^\circ - 2b)$. If each is supplement of other, then the value of b is						
A	85°	B	20°	C	25°	D	10°

Answers

Answers	1	C	2	A	3	B	4	D
	5	A	6	D	7	C	8	B
	9	A	10	D	11	B	12	B
	13	C	14	A	15	D		