***NIGAT KOKEB P.P, PRIMERY AND MIDDLE SCHOOL***

**11th**

**MATHEMATICS WORKSHEET FOR GRADE 8TH YEAR2017 E.C. (*UNIT-3 ONLY)***

**INSTRUCTION- I. CHOOSES THE CORRECT ANSWERS FROM THE GIVEN ALTERNATIVES**

1. Which one of the following equation is the graph of a **vertical line**?
2. $10+5y=6y$
3. $2x+4=3x$
4. $y=0.5x$
5. $y=3x+6$
6. Which one of the following is **NOT TRUE** about the graph of an equation$ y=8$?
7. The graph is horizontal line.
8. The graph is parallel to x- axis.
9. The graph is above to x-axis.
10. The slope is undefined.
11. What is the equation of a line whose slope is $-\frac{1}{3}$ passes through the point **(-1,-1)?**
12. $3x+y=0$
13. $3x-y=0$
14. $x+3y+4=0$
15. $x-3y+4=0$
16. From the following equation which graph is passes through the origin?
17. $y-2x=0$
18. $y=x+2$
19. $y-3x=1$
20. $y=x-5$
21. If the point p(x, y) is lies in **II** quadrant, then which one of the following is **true** about the coordinates of **x** and **y**?
22. $x>0 \& y>0$
23. $x>0 \& y<0$
24. $x<0 \& y<0$
25. $x<0 \& y>0$
26. The line **y= -x** passes through
27. 1st and 3rd Q
28. 1st and 4th Q
29. 2nd and 4th Q
30. 2nd and 3rd Q
31. Which one of the following point do **not** lie on the line ***2y + x =13***?
32. (0, 10)
33. (-1, 7)
34. (3, 5)
35. (1, 6)
36. Which one of the following ordered pairs is found in *quadrant* **IV**?
37. (-3, 4)
38. (4, 6)
39. (-3, -2)
40. (5, -3)
41. Which of the following is **true** about the graph of **x=2**
42. line parallel to x – axis
43. A line pass through the origin
44. line parallel to y-axis
45. A line perpendicular to y-axis
46. Which of the following line the **origin**?
47. $x+2y=4$
48. $x+y=4$
49. $y=3x$
50. $x+2y=1$
51. what is the equation of a line that pass through two points **A (-1-3)** and **B (1,5)**
52. $x+y=1$
53. $2x+y=5$
54. $-x+y=4$
55. $x+2y=2$
56. Which one of the following point is located on **y** axis and four (**4**) units below the **x** axis?
57. (0,4)
58. (-1,4)
59. (-4,0)
60. (0,-4)
61. . If point P(x, y) is lies in **IV** quadrant, then which one of the following is **true** about the coordinates of x and y?
62. $x>0 \& y>0$
63. $x>0 \& y<0$
64. $x<0 \& y<0$
65. $x<0 \& y>0$
66. Which of the following is not true the graph of the line ***y = mx***, **m**.
67. The line passes through the origin
68. The lines touch quadrant I and II
69. The line touch quadrant I and III, If m>0
70. The line touch quadrant II and IV, If m<0
71. Which one of the following equation of line is a ***horizontal line*** equation?
72. $y=-3x+2$
73. $y=3x$
74. $2y+4=6$
75. $0.5x=4$
76. Which one of the following is **not true** about the equation of$ y=-2x-3$**.**
77. The y-intercept is -3
78. The graph is passes through the origin
79. The slope is -2
80. The graph of line touch quadrant II and IV
81. If point **P (3, 2)** is lies in the equation of line ***ax+2y=10***, then what is the value of **a**?
82. 2
83. 3
84. $\frac{14}{3}$
85. $\frac{10}{7}$
86. Which pair of the coordinates and quadrants is paired ***incorrectly***?
87. (3, 4), quadrants I
88. (-5, -3), quadrants III
89. (1, -2), quadrants II
90. (3, -5), quadrants IV
91. Which of the following equation of the line pass through the **origin**?
92. $y=2x+3$
93. $y=-3x$
94. $y=5$
95. $x=4$
96. Which one of the following equation of a line passes through the points **(-2, 2)** and **(1, 3).**
97. $y=\frac{1}{3}x+\frac{8}{3}$
98. $y=\frac{-1}{3}x+\frac{8}{3}$
99. $y=\frac{1}{3}x-\frac{8}{3}$
100. $y=\frac{-1}{3}x-\frac{8}{3}$
101. What is the slope of a line that passé through two point **P (2, 5)** and **Q (-1, 2)?**
102. -3
103. -1
104. 1
105. 3
106. Which pair of coordinate and quadrants is paired ***correctly***?
107. (-2, 4) and quadrant IV
108. (5, -2) and quadrant IV
109. (-2, -3) and quadrant I
110. (0, -2) and quadrant III
111. Order pair **(10,-11)** is found on
112. QI
113. QIII
114. QII
115. QIV
116. Which of the following is the about the graph of **y=-4x**
117. when x=-1 , y=-4
118. when x=0 , y=-4
119. when x=1 , y=4
120. when x=2 , y=-8
121. If point **(-2, 1)** lies on the line ***3y-bx=7***, what is the value of **b**?
122. -5
123. -2
124. 2
125. 5
126. A **(-**$\frac{1}{2}$ **, - 2)** belong to *Quadrant* \_\_\_\_\_\_\_\_\_\_\_.
127. I
128. II
129. III
130. IV
131. Which of the following is **TRUE** about the graph of **y = - 3**?
132. A line parallel to x-axis
133. A line parallel to y-axis
134. A line pass through the origin
135. A line perpendicular to y-axis
136. Find the ***slope*** of the line passing through points **(2, 5)** and **(4, 10).**
137. $\frac{-5}{3}$
138. $\frac{-5}{2}$
139. $\frac{5}{3}$
140. $\frac{5}{2}$
141. What is the equation of a line with slope **m=**$-$**4** and passing through the points **{1, 3}?**
142. $-4x+y=7$
143. $4x+y=-7$
144. $-4x+y=-7$
145. $-4x-y=-7$
146. Which of the following is **not true** about the graph of?
147. The slope of the line is 2
148. The graph cross the y-axis at (0.4)
149. The graph pass throw 2nd and 4th quadrant.
150. The x-intercept is -2
151. The quadrant in which the point p (x , y ) lies when , **x > 0** and **y < 0**
152. I quadrant
153. II quadrant
154. III quadrant
155. IV quadrant
156. If the line contains a point **(a, 6)** and **(4, 8),** its slope is **2** then what is the value of **a**?
157. $\frac{1}{2}$
158. 5
159. $\frac{1}{4}$
160. 3
161. Which one of the following equation does **not** contain the point **(2, 3)**?
162. $5x-y=7$
163. $2x+y=7$
164. $x-y=1$
165. $3x+2y=12$
166. Which of the following equation is passes through the **1st** and **3rd** quadrant?
167. $2x+4y=0$
168. $2x=4y$
169. $x=0.5y$
170. $y=-4x$
171. What is the equation of a line whose slope is $\frac{-2}{3}$ and passes through the point **(6,-1)**?
172. $y-\frac{2}{3}x+3=0$
173. $3y-3x+3=0$
174. $3y+2x-9=0$
175. $3x-y+6=0$
176. Which of the following pass through the **origin**?
177. $x+y=5$
178. $x=6$
179. $y+2x=0$
180. $y=4$
181. Which of the following is **horizontal line**?
182. $y=x$
183. $x=5$
184. $7y-10=11$
185. $x-y=1$
186. What is the slope (**m**) 0f the point p **(3, 4)** and Q **(1, 3)?**
187. $\frac{1}{2}$
188. $\frac{3}{2}$
189. 0
190. $-\frac{1}{2}$
191. In which quadrant lie a point **(-2, 5)?**
192. 1st Q
193. 2nd Q
194. 3rd Q
195. 4th Q

*Prepared by: Mathematics Department*