Lesson-83

Finding Slope, Intercept and Equations

Formula used: points are (x_1, y_1) , (x_2, y_2)

SLOPE: $m = \dfrac{y_1 - y_2}{x_1 - x_2}$

1. If points are (3, 6) , (2, 4) , then slope m =
2. If points are (1, 6) , (3, 10) , then slope m =
3. If points are (12, 8) , (7, 18) , then slope m =
4. If points are (5 ,9) , (2, 3) , then slope m =

Formula Used: Line **y = m x + b** passes (x_1, y_1)

y_1 x_1

Then find value of **b**

5. If line y = x + b passes (4 , 6) , then value of b =
6. If line y = x + b passes (10 , 8) , then value of b =
7. If line y = 2x + b passes (5 , 20) , then value of b =
8. If line 2y = 3x + b passes (1 , 4) , then value of b =

Formula Used: Line **y = m x + b** m b

9. If m = 3 and b = 5 , then line is y = x +
10. If m = 7 and b = 9 , then line is y = x +
11. If m = – 4 and b = 12 then line is y = – x +

LIVEWORKSHEETS