

| * Determine The Slope and y- | intercept for each of The |
|---------------------------------|------------------------------------|
| Straight line in The table bel | |
| | |
| Dy=3x+2 → m=3, C=2 | *27-10x58 |
| | 24 = 10x +8 = 14. |
| Q455x-2 → m 55, C 5-2 | |
| | m'=5 |
| 3 4=-2x+4 -> m=-2, C=4 | |
| | |
| 94=12x -> m=12, Cso | |
| | |
| 6) yslox-3, mslo, c=-9 | 3 |
| I Find The equation of The Lin | |
| | |
| ① gradient s 5, y-intersepts3 | → 4 s 5 x + 3 |
| | |
| 2 11 = -2 , 81 = -1 - | → Y = -2 × -1 |
| | |
| 3 / 53 Passing Throu | ght The orgin-74=3x, CSO |
| | a to be a supplied of the first of |
| 9 11 = 3 11 11 | (0,1) -> y = 13x +1 0 C51 |
| | |
| (5) 4 = -3 11 = 12 | -> ys - 34x + 4 , cs 1 |
| | |
| * The equation of straight line | e with given Slope Passing Thron |
| agiven point (x, 47) | |
| $y-y_1=m(x-x)$ | |
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| | |
| محمد و أميرة | |

of find The equation of Thelines described below

, Passing Through (1,4) -> 4-4= 3(X-1)

 $(5,-1) \rightarrow y+1 = \frac{2}{5}(x-5)$

11

= 0 / $(-1,2) \rightarrow 9-2=0 \rightarrow 9=2$

 $= -1 / 1 / (1,-1) \rightarrow 9+1 = -1 (x-1)$

4) The equation of a straigh line Through two given Points

(X2, Y2) Istraightal

(x, y) - Pass The

It Find The equation of Straigh Line which passes Through The

= two Point (-1, 2) and (2,4) 2

 $m = \frac{4-2}{2+1} = \frac{2}{3}$

 $9-2=\frac{2}{3}(x+1)$

* two point (1,-2) and (-3,0)

 $m = \frac{0+2}{-3-1} = \frac{2}{-4} = \frac{1}{2}$ $y+2 = -\frac{1}{2}(x-1)$

9+2= -2x+2 -> y=-2x-3

| X Find The equation of The lines described below |
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| |
| (1) passing Throught (4,6) and (8,26)= 26-6 = 5-4-6=5 (x-4) |
| |
| (2) 11 (3,4) 11 (5,4) = $\frac{4-7}{5-3} = \frac{7}{1} = 0 \rightarrow 9 = 9$ |
| 3 / (1) // (4,-8) = $\frac{-8-1}{4-1} = \frac{9}{3} = -3 \rightarrow 9-1 = -3$ (x-1) |
| (9) 6 (0,2) 11 (4,0) = $\frac{0-2}{4-0} = \frac{2}{4} = -\frac{1}{2} \rightarrow y-2 = -\frac{1}{2} \times$ |
| y=4 ms0 = 47 |
| $\frac{qx+by+c=0}{2} + \frac{qx-qx}{b} = \frac{3}{2}$ |
| The state have a second of the |
| a=0 > horizontal St. line x-axis |
| bso -> vertical St. line |
| y-axis |
| |
| * find The equation of line descripe. |
| The state of the s |
| D The vertical line Passing Throught The Point (0, 2) -> bso |
| |
| $ax+by+c=0$ $ax=-c$ $ax=0 \rightarrow x=0$ |
| -C50 -> C50) |
| |
| A The end of the sound of the s |
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Subject موضوع الدرس التاريخ Date * Circle - A circle with center (h, K) and raduis >0 is The set of all points (X, y) in The plane where distance to Ch, K) is r V= (Cx-h)2 + (y-K)2 Ch,K) The Standard eq. of a circle of Center (h, K) and r>0 is (x-h)+ (y-K)2=r2 EX. write The Standard eq. of The circle with center (-2,3) and radius = 5 $(x+2)^2 + (y-3)^2 = 25$ A Graph (x+2)2+Cy-1)2=4 > final The Center and radius (h, K) = (-2, 1), Y = 2