4.3 Notes ~ "Graph Using Intercepts"

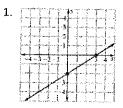
x-intercept:

- The x-coordinate of the point where the graph crosses the x-axis

y-intercept:

- The y-coordinate of the point where the graph crosses the y-axis

I. Given a Graph, find the x & y intercepts





Plug in 0 for the

II. Given an equation, find the x and y intercepts.

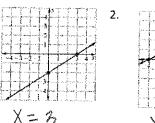
3.
$$y = 2x + 4$$
 4. $3x - 4y = 24$

3×=24

-3x = 5y + 10





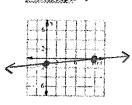


III. Given intercepts, graph the line

6 x-intercept: -7 1-intercept: 4

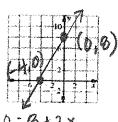


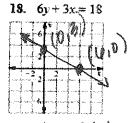
7. x-intercept: 10 : intercept: -1



IV. Given the Equation, find the intercepts then graph the line

16.
$$y = 8 \div 2x$$



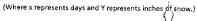


04+3(0)=1B

V. Story Problem

3 inches of snow fell on the ground and every day one-half inch of snow melted. The equation to represent this is:

Y = -(1/2)x + 3



Find the x and y-intercepts and graph the line segment. Note: not a line

What does the y-intercept represent?

