/ #_____

Name:_____
Date:_____Period:___

FINDING X AND Y INTERCEPTS Worksheet (Day 1)

Find both X and Y intercepts of the equation. Show all work!!

1. $4x + y = 5$
2. $x - y = 1$
3. $x + 4y = 8$
4. $5x + y = 2$
5. $7x + 3y = -21$
6. $3x + 6y = 18$
7. $4x + y = -8$
8. $x - 2y = -10$
9. $6x + 4y = 12$
10. $x - 9y = -45$
11. $2x - 6y = 18$
12. $7x + 5y = 42$

#_____

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X and Y INTERCEPTS Worksheet (Day 2)

1. If the x-intercept of a line is positive and the y-intercept is negative, does the line slant upward or downward from left to right? Explain your reasoning.

2. A student says that the x-intercept of the graph $x + 2y = 5$ is the point (0, 5). Why is the student incorrect?

3. At which point does the graph of the equation $2x + y = 4$ cross the x-axis?

4. What is the y-intercept of the graph of the equation $3x + y = 6$?