



Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Questions

1. Point (0, 5): which intercept is this?
2. Point (3, 0): which intercept is this?
3. Point (0, 0): which intercept(s) is this?
4. Point (-4, 0): which intercept is this?
5. Point (0, -2): which intercept is this?
6. A line crosses the x-axis at (2, 0) and the y-axis at (0, 4). List the intercepts.
7. Which intercept is the point (0, 0)?
8. Point (5, 3): is this an x-intercept, a y-intercept, or neither?
9. Find the x-intercept of $y = 2x + 3$.
10. Find the x-intercept of $y = -x + 4$.
11. Does the line $y = 3$ have an x-intercept? If yes, what is it?
12. What is the x-intercept of the line $x = -2$?
13. Find the x-intercept of $2x + y = 6$.
14. Find the x-intercept of $y = (\frac{1}{2})x - 1$.
15. Find the x-intercept of $y = -4x$.
16. Find the x-intercept of $y = 3x - 6$.
17. Find the x-intercept of $5x = 10$ (treat as a line equation).
18. Find the x-intercept of $y = (\frac{2}{3})x + 1$.
19. For $y = 2x + 3$, find both intercepts.
20. For $2x + 3y = 12$, find both intercepts.
21. For $y = -x - 2$, find both intercepts.
22. For $4x - y = 8$, find both intercepts.
23. For $x + y = 5$, find both intercepts.
24. For $y = 0.5x + 2$, find both intercepts.
25. For $3x + 2y = 0$, find both intercepts.
26. For $y = -3$, find the intercept(s).
27. For $6x - 3y = 9$, find both intercepts.
28. For $y = (\frac{3}{4})x$, find the intercept(s).
29. For $-2x + y = 4$, find both intercepts.
30. For $y = 5x$, find the intercept(s).
31. For $7x + y = 14$, find both intercepts.



Math Worksheet for 8th Grade

Intercepts

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32. For $y = -\frac{2}{5}x + 1$, find both intercepts.
33. For $4y + 8 = 0$, find the intercept(s).
34. Table of points: $(-1, 2)$, $(0, 5)$, $(1, 8)$. Which intercept(s) appear in the table?
35. Table of points: $(-2, 0)$, $(-1, 2)$, $(0, 4)$, $(1, 6)$. Which intercepts appear in the table?
36. Table of points: $(0, 0)$, $(2, 0)$, $(4, 0)$. Which intercepts appear in the table?
37. Table of points: $(-3, 9)$, $(0, 0)$, $(3, -9)$. Which intercept(s) appear in the table?
38. Table of points: $(-1, -2)$, $(0, -1)$, $(1, 0)$. Which intercepts appear in the table?
39. Table of points: $(-4, 8)$, $(-2, 4)$, $(0, 0)$, $(2, -4)$. Which intercept(s) appear in the table?
40. Table of points: $(-1, 0)$, $(1, 0)$, $(2, 0)$. Which intercepts appear in the table?
41. Table of points: $(-2, 6)$, $(-1, 3)$, $(0, 0)$, $(1, -3)$. Which intercept(s) appear in the table?
42. Table of points: $(-3, 7)$, $(-1, 3)$, $(0, 1)$, $(2, -5)$. Which intercept(s) appear in the table?
43. For $5x + 5y = 25$, find both intercepts.
44. For $2x - 4y = 8$, find both intercepts.
45. For $y = -\frac{1}{2}x + 3$, find both intercepts.
46. For $9x + 3y = 0$, find both intercepts.
47. For $y = 4$, find the intercept(s).
48. For $x - 2y = 10$, find both intercepts.
49. For $y = 3x - 9$, find both intercepts.
50. For $6x - y = 12$, find both intercepts.