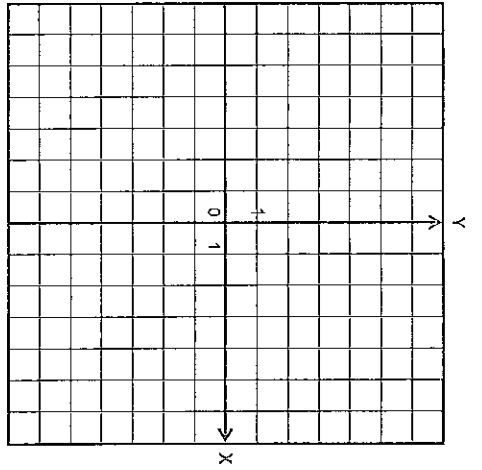


ALGEBRA ANTICS #8

Find the value for each expression. Put your answer in the blank in the ordered pair. Take the ordered pair for problem #1 and plot the point on the graph. The first number of the pair tells how far to move horizontally on the x-axis; the second number tells how far to move vertically on the y-axis. Next, plot the point for #2. Draw a line to connect the two points. Continue plotting each new point and connecting it to the preceding point until you reach the end.

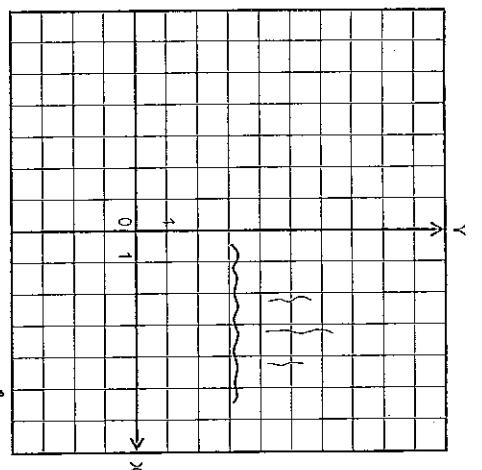


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|---------------------------|--------------------|-----------------------------|---------------------|
| 1. $-4(-8) - 34 =$ | (<u> </u> , 6) | 8. $9 - 57 =$ | (<u> </u> , 0) |
| 2. $\frac{63}{7} + 15 =$ | (1, <u> </u>) | 9. $-15(\frac{3}{5}) + 5 =$ | (6, <u> </u>) |
| 3. $-5 - (-2 - 8) =$ | (<u> </u> , 4) | 10. $-8 - 9 + 13 =$ | (1, <u> </u>) |
| 4. $-2(19 - 21) =$ | (2, <u> </u>) | 11. $-9(-3) - 28 =$ | (1, <u> </u>) |
| 5. $20 + 3(-6) =$ | (2, <u> </u>) | 12. $\frac{7 - 19}{6} =$ | (<u> </u> , -1) |
| 6. $\frac{-41 + 5}{-9} =$ | (<u> </u> , 2) | 13. $52 + (-8)(7) =$ | (-2, <u> </u>) |
| 7. $-4(-6) + 3(-8) =$ | (4, <u> </u>) | 14. $\frac{-81}{9} + 2 =$ | (<u> </u> , -4) |
| | | 15. $-3(4) - (-5) =$ | (<u> </u> , 0) |
| | | 16. $-(-14 - 6) + 8 =$ | (-5, <u> </u>) |
| | | 17. $\frac{-32}{8} - 9 =$ | (<u> </u> , 2) |
| | | 18. $-2(9) - 3(-5) =$ | (<u> </u> , 2) |
| | | 19. $\frac{-13 - 8}{7} =$ | (<u> </u> , 4) |
| | | 20. $-2(39 - 41) =$ | (-2, <u> </u>) |
| | | 21. $-(-5 - 12) - 1 =$ | (-2, <u> </u>) |

ALGEBRA ANTICS #9

Substitute the values for the variables. Then find the value for each expression. Put your answer in the blank in the ordered pair. Take the ordered pair for problem #1 and plot the point on the graph. The first number of the pair tells how far to move horizontally on the x-axis; the second number tells how far to move vertically on the y-axis. Next, plot the point for #2. Draw a line to connect the two points. Continue plotting each new point and connecting it to the preceding point until you reach the end.

$a = -2$ $b = 3$ $c = -6$



- | | | | |
|------------------------|--------------------|------------------------------|--------------------|
| 1. $ab - c =$ | (<u> </u> , 3) | 8. $b(b - a) - ac =$ | (-5, <u> </u>) |
| 2. $ac - bb =$ | (6, <u> </u>) | 9. $c - b - 2a =$ | (<u> </u> , 4) |
| 3. $\frac{c}{a} - a =$ | (<u> </u> , 4) | 10. $7b + bc - a =$ | (-5, <u> </u>) |
| 4. $a - c =$ | (4, <u> </u>) | 11. $a(2a - c) =$ | (<u> </u> , 6) |
| 5. $ac + a + c =$ | (1, <u> </u>) | 12. $\frac{bc}{a} - b =$ | (-3, <u> </u>) |
| 6. $c + b - a =$ | (<u> </u> , 2) | 13. $a - c + b =$ | (-3, <u> </u>) |
| 7. $\frac{2ab}{c} =$ | (4, <u> </u>) | 14. $9b + 2a(b - a) =$ | (-2, <u> </u>) |
| | | 15. $\frac{c + a}{aa} =$ | (<u> </u> , 6) |
| | | 16. $bc - 4ab =$ | (-1, <u> </u>) |
| | | 17. $\frac{ac + b}{b - c} =$ | (0, <u> </u>) |
| | | 18. $8b - 2ac =$ | (<u> </u> , 3) |
| | | 19. $aaa - (ab - b) =$ | (<u> </u> , 2) |
| | | 20. $5(a + c) - 7c =$ | (5, <u> </u>) |
| | | 21. $\frac{b - c}{b} =$ | (6, <u> </u>) |