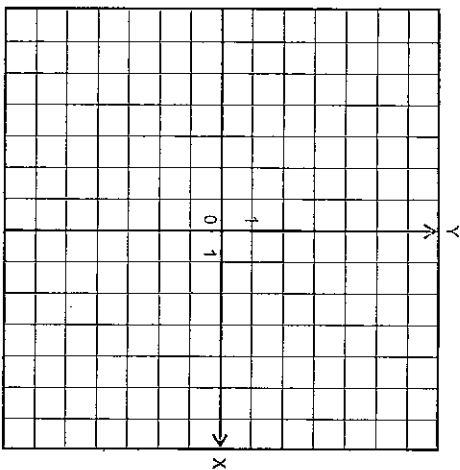


ALGEBRA ANTICS #12

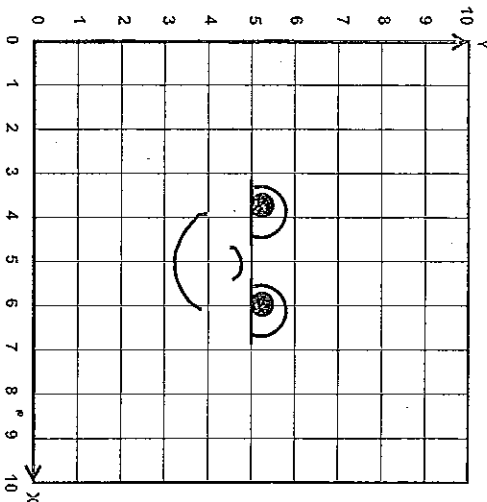
Solve all the equations for the given variables. Put each answer in the blank in the ordered pair. Take the ordered pair for problem #1 and plot the point on the graph. The first number of the pair tells how far to move horizontally on the x-axis; the second number tells how far to move vertically on 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. $11 - x = 8$ | (<u> </u> , <u>-5</u>) | 8. $k + \frac{72}{8} = 6$ | (<u>-5</u> , <u> </u>) |
| 2. $w - 15 = -9$ | (<u> </u> , <u>-5</u>) | 9. $25 = 31 + x$ | (<u> </u> , <u>-3</u>) |
| 3. $y + 2 = -3$ | (<u>7</u> , <u> </u>) | 10. $v - 8 = 5(-3)$ | (<u> </u> , <u>-3</u>) |
| 4. $3 = m + 10$ | (<u>5</u> , <u> </u>) | 11. $16 = 9 - h$ | (<u> </u> , <u>-5</u>) |
| 5. $\frac{-42}{6} = 3 + f$ | (<u> </u> , <u>-7</u>) | 12. $-4(-2) = 13 + y$ | (<u>3</u> , <u> </u>) |
| 6. $r - 1 = 5 - 9$ | (<u> </u> , <u>-7</u>) | 13. $d - 3(8) = 6(-4)$ | (<u>3</u> , <u> </u>) |
| 7. $-12 = a - 7$ | (<u>-5</u> , <u> </u>) | 14. $e - 6 = 7 - 11$ | (<u>3</u> , <u> </u>) |
| | | 15. $5 - x = \frac{36}{9}$ | (<u> </u> , <u>2</u>) |
| | | 16. $-3(6) = y - 22$ | (<u>0</u> , <u> </u>) |
| | | 17. $9 + n = 3 + 7$ | (<u> </u> , <u>7</u>) |
| | | 18. $\frac{12}{3} = x + 2$ | (<u> </u> , <u>5</u>) |
| | | 19. $3 - 7 = t - 6$ | (<u>1</u> , <u> </u>) |
| | | 20. $p - 27 = 7(-4)$ | (<u> </u> , <u>2</u>) |
| | | 21. $6 - w = 19 - 8$ | (<u>-1</u> , <u> </u>) |

ALGEBRA ANTICS #13

Solve all the equations for the given variables. Put each 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. $4y = 28$ | (<u>2</u> , <u> </u>) | 8. $7h = 51 - 9$ | (<u> </u> , <u>2</u>) | 15. $15 = 4f + 1$ | (<u> </u> , <u>8</u>) |
| 2. $72 = 9x$ | (<u> </u> , <u>7</u>) | 9. $3v + 6v = 36$ | (<u> </u> , <u>2</u>) | 16. $6t = 3(18)$ | (<u>4</u> , <u> </u>) |
| 3. $4k + 2k = 30$ | (<u>8</u> , <u> </u>) | 10. $6(4) = 8y$ | (<u>3</u> , <u> </u>) | 17. $5x = 32 - 7$ | (<u> </u> , <u>8</u>) |
| 4. $8w = 29 + 3$ | (<u>8</u> , <u> </u>) | 11. $14 = 11a - 4a$ | (<u>3</u> , <u> </u>) | 18. $2(9) = 3e$ | (<u> </u> , <u>9</u>) |
| 5. $9m = 81$ | (<u> </u> , <u>3</u>) | 12. $13x = 6 + 7$ | (<u> </u> , <u>3</u>) | 19. $3y + 5y = 64$ | (<u>7</u> , <u> </u>) |
| 6. $6c = 3(4)$ | (<u>7</u> , <u> </u>) | 13. $4u = 8(2)$ | (<u>2</u> , <u> </u>) | 20. $6p = 4(12)$ | (<u> </u> , <u>9</u>) |
| 7. $35 = 5n$ | (<u> </u> , <u>3</u>) | 14. $9r - 2r = 63$ | (<u>2</u> , <u> </u>) | 21. $8w = 63 - 7$ | (<u>8</u> , <u> </u>) |