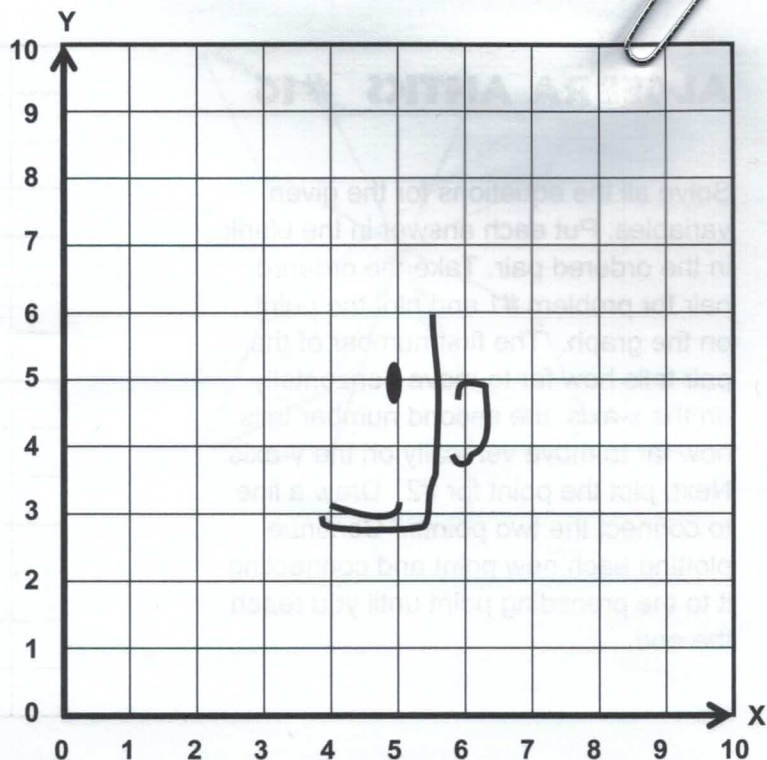


ALGEBRA ANTICS #15

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. Connect the last point to the first point.



- | | | | |
|------------------------|------------|-------------------------|------------|
| 1. $3x - 14 = x$ | (__ , 6) | 10. $10t = 3t + 28$ | (__ , 6) |
| 2. $4y = 9y - 30$ | (3 , __) | 11. $y + 6y = 45 - 2y$ | (4 , __) |
| 3. $12c = 5 + 11c - 2$ | (__ , 7) | 12. $8d - 18 - d = d$ | (__ , 4) |
| 4. $8a - 7 = 4a + 9$ | (__ , 7) | 13. $5f = 41 - 3f - 9$ | (4 , __) |
| 5. $4m = 6m - 20$ | (4 , __) | 14. $6r - 7 = 7r - 10$ | (4 , __) |
| 6. $9z - 5z = 30 + z$ | (7 , __) | 15. $4 - 2v = 4v - 8$ | (3 , __) |
| 7. $8w = w + 49$ | (__ , 7) | 16. $9y + 17 = 24 + 2y$ | (3 , __) |
| 8. $6x - 12 = 60 - 3x$ | (__ , 7) | 17. $18 - 3x = x - 6$ | (__ , 1) |
| 9. $k + 39 = 7k - 9$ | (__ , 6) | 18. $5n + 12 = 75 - 4n$ | (__ , 3) |