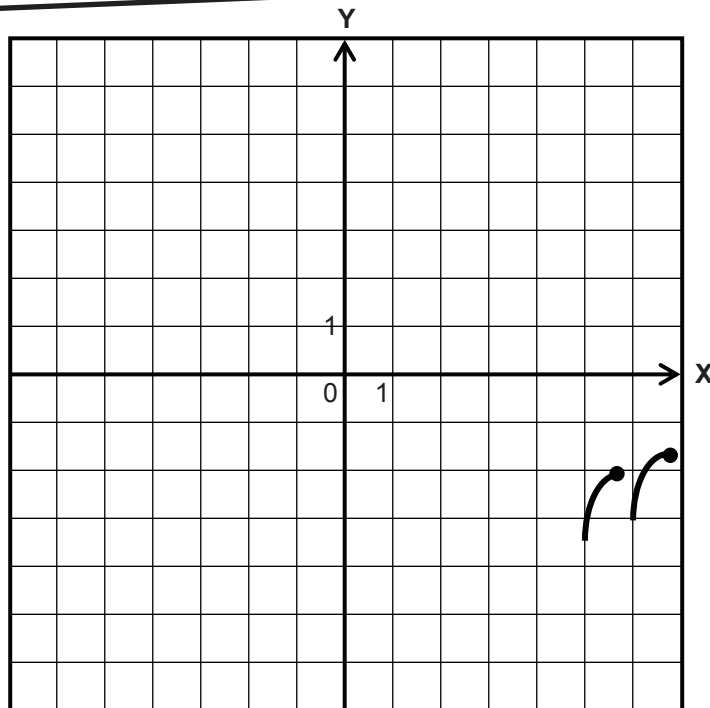


SAMPLE PUZZLE #1

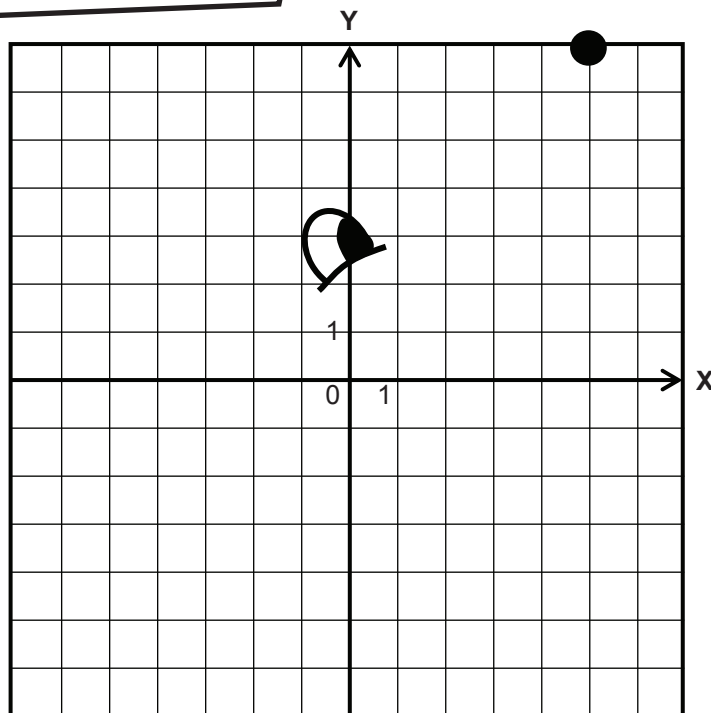
Find the value for each expression. Put your answer in the blank in the ordered pair. Take the ordered pair for problem #1 and plot the point on the graph. The first number of the pair tells how far to move horizontally on the x-axis; the second number tells how far to move vertically on the y-axis. 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.



- | | | |
|---------------------------------|-------------------------------------|-----------------------------------|
| 1. $-3 - (-3) =$ (__ , 0) | 8. $6 - 9 =$ (2 , __) | 15. $12 - 7 =$ (__ , -1) |
| 2. $-13 - (-14) =$ (__ , -1) | 9. $-7 - (8 - 15) =$ (__ , -4) | 16. $8 - (11 - 7) =$ (__ , -3) |
| 3. $0 - 2 =$ (-1 , __) | 10. $-(7 - 2) - (-1) =$ (__ , -3) | 17. $-(1 - 2) - 4 =$ (2 , __) |
| 4. $7 - 5 - 4 =$ (__ , -1) | 11. $11 - 4 - 12 =$ (__ , -1) | 18. $3 - (-4) =$ (__ , -3) |
| 5. $(6 - 2) - 3 =$ (-2 , __) | 12. $4 - (13 - 11) =$ (-4 , __) | 19. $13 - 20 - (-2) =$ (5 , __) |
| 6. $17 - (18 - 1) =$ (__ , 2) | 13. $-(8 - 9) - 1 =$ (__ , 4) | 20. $-1 - 2 - 4 =$ (__ , -5) |
| 7. $11 - (12 - 4) =$ (__ , 0) | 14. $-(4 - 5) - (-2) =$ (3 , __) | 21. $-(8 - 5) - 1 =$ (__ , -3) |

SAMPLE PUZZLE #2

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.



1. $17x + 27 = 8x$ (__ , 1)

2. $4y - 7y = 8 + y$ (-2 , __)

3. $-3(-3m) = 3m - 6$ (__ , -5)

4. $8v = -9 + 6v - 5$ (-5 , __)

5. $8 - 5k = 4k + 71$ (__ , -5)

6. $7n = 2n - 5(-5)$ (-7 , __)

7. $w - 19 = 5 + 9w$ (__ , 7)

8. $11y + 1 = 4y - 9(-4)$ (-1 , __)

9. $3a - 7a = -12 - 2a$ (2 , __)

10. $6c - 22 = 3c - 7$ (__ , 7)

11. $2 + 10x = x - 7(-8)$ (__ , 5)

12. $6u - 9u = 6(-2) + u$ (7 , __)

13. $2h + 19 = 8h - 5$ (__ , 1)

14. $3 - 13y = 11 - 5y$ (1 , __)

15. $-9(-2) + 4f = 7f - 3$ (__ , -1)

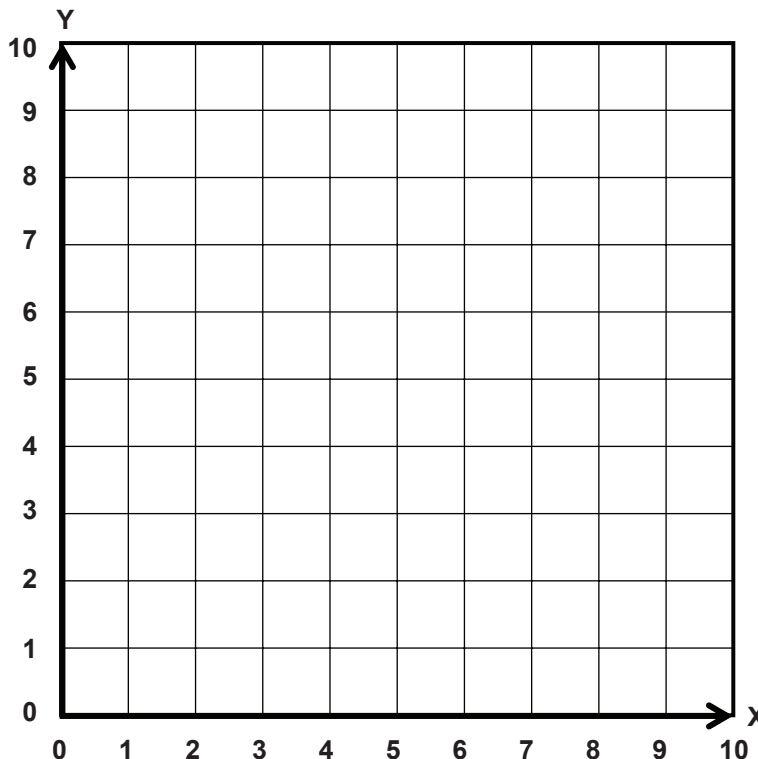
16. $28 - 8x = x - 8$ (__ , -3)

17. $47 - 4d = 7 - 12d$ (1 , __)

18. $8z - 11z = 3z + 42$ (1 , __)

SAMPLE PUZZLE #3

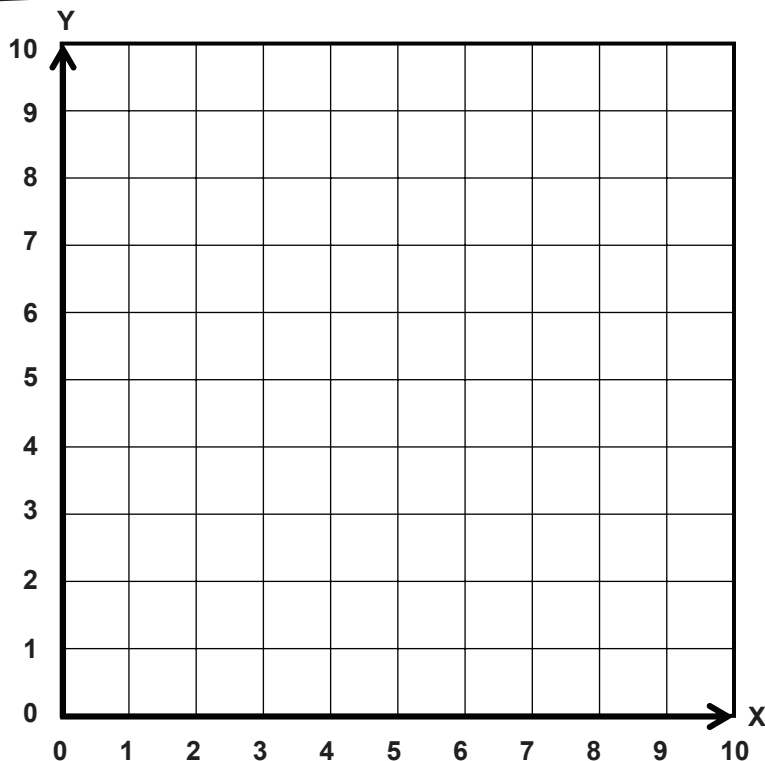
Solve all the equations for the given variables. Put each answer in the blank in the ordered pair. Take the ordered pair for problem #1 and plot the point on the graph. The first number of the pair tells how far to move horizontally on the x-axis; the second number tells how far to move vertically on 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.



- | | | | | | |
|----------------------|---------|-----------------------|---------|-----------------------|---------|
| 1. $\frac{y}{3} = 3$ | (4, __) | 8. $7x = 42$ | (__, 2) | 15. $2 = \frac{t}{3}$ | (3, __) |
| 2. $6w = 30$ | (6, __) | 9. $16 = 4d$ | (__, 2) | 16. $5y = 20$ | (2, __) |
| 3. $2 = \frac{x}{4}$ | (__, 4) | 10. $9n = 36$ | (__, 4) | 17. $\frac{u}{2} = 2$ | (__, 5) |
| 4. $7m = 49$ | (__, 6) | 11. $1 = \frac{y}{7}$ | (5, __) | 18. $45 = 9x$ | (__, 7) |
| 5. $4c = 28$ | (5, __) | 12. $8a = 72$ | (6, __) | 19. $6m = 48$ | (3, __) |
| 6. $32 = 8v$ | (6, __) | 13. $\frac{b}{2} = 5$ | (8, __) | 20. $\frac{e}{5} = 2$ | (2, __) |
| 7. $\frac{k}{2} = 3$ | (__, 3) | 14. $56 = 7r$ | (7, __) | 21. $63 = 7w$ | (4, __) |

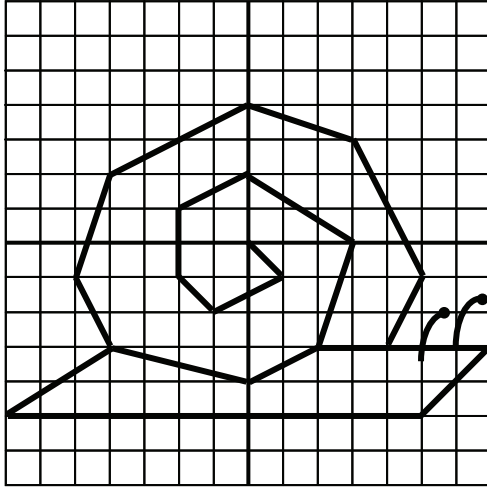
SAMPLE PUZZLE #4

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.



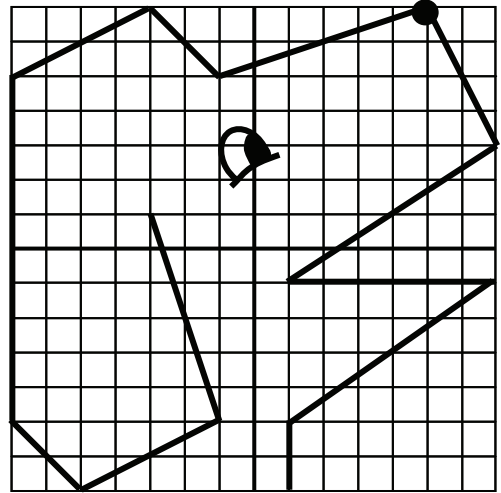
- | | | | | | |
|---------------------------|-----------|----------------------------|-----------|-------------------------------|-----------|
| 1. $8 = 6 + 2r$ | (__ , 1) | 8. $7 - \frac{3w}{6} = 5$ | (__ , 6) | 15. $8 + 2h = 24$ | (__ , 3) |
| 2. $7t - 20 = 1$ | (__ , 3) | 9. $18 - 3z = 3$ | (__ , 9) | 16. $\frac{2r}{3} + 3 = 7$ | (__ , 3) |
| 3. $7 = 3y - 5$ | (2, __) | 10. $1 + 2f = 15$ | (6, __) | 17. $23 - \frac{11c}{2} = 12$ | (6, __) |
| 4. $5 - \frac{2p}{8} = 4$ | (3, __) | 11. $\frac{n}{4} + 9 = 11$ | (__ , 8) | 18. $10 = \frac{3a}{4} + 7$ | (__ , 3) |
| 5. $4c + 3 = 27$ | (2, __) | 12. $13 = 3d - 5$ | (7, __) | 19. $y(2 + 2) = 8$ | (4, __) |
| 6. $9 = 7d - 12$ | (__ , 6) | 13. $\frac{x}{3} + 7 = 10$ | (__ , 5) | 20. $35 = 12m - 1$ | (3, __) |
| 7. $13 = 2g - 3$ | (3, __) | 14. $4 = 9u - 32$ | (6, __) | 21. $4e - 4 = 20$ | (__ , 6) |

SOLUTION FOR PUZZLE #1



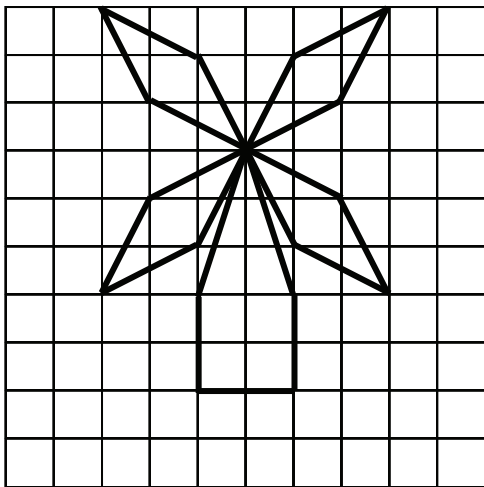
- | | | |
|------------|-------------|-------------|
| 1. (0,0) | 8. (2,-3) | 15. (5,-1) |
| 2. (1,-1) | 9. (0,-4) | 16. (4,-3) |
| 3. (-1,-2) | 10. (-4,-3) | 17. (2,-3) |
| 4. (-2,-1) | 11. (-5,-1) | 18. (7,-3) |
| 5. (-2,1) | 12. (-4,2) | 19. (5,-5) |
| 6. (0,2) | 13. (0,4) | 20. (-7,-5) |
| 7. (3,0) | 14. (3,3) | 21. (-4,-3) |

SOLUTION FOR PUZZLE #2



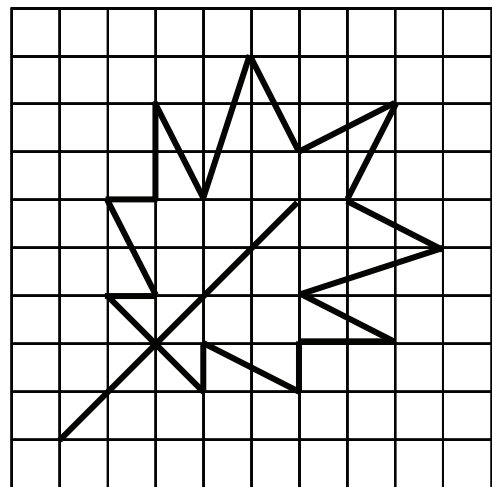
- | | | |
|------------|-----------|------------|
| 1. (-3,1) | 7. (-3,7) | 13. (4,1) |
| 2. (-2,-2) | 8. (-1,5) | 14. (1,-1) |
| 3. (-1,-5) | 9. (2,6) | 15. (7,-1) |
| 4. (-5,-7) | 10. (5,7) | 16. (4,-3) |
| 5. (-7,-5) | 11. (6,5) | 17. (1,-5) |
| 6. (-7,5) | 12. (7,3) | 18. (1,-7) |

SOLUTION FOR PUZZLE #3



- | | | |
|----------|------------|------------|
| 1. (4,9) | 8. (6,2) | 15. (3,6) |
| 2. (6,5) | 9. (4,2) | 16. (2,4) |
| 3. (8,4) | 10. (4,4) | 17. (4,5) |
| 4. (7,6) | 11. (5,7) | 18. (5,7) |
| 5. (5,7) | 12. (6,9) | 19. (3,8) |
| 6. (6,4) | 13. (8,10) | 20. (2,10) |
| 7. (6,3) | 14. (7,8) | 21. (4,9) |

SOLUTION FOR PUZZLE #4



- | | | |
|----------|-----------|-----------|
| 1. (1,1) | 8. (4,6) | 15. (8,3) |
| 2. (3,3) | 9. (5,9) | 16. (6,3) |
| 3. (2,4) | 10. (6,7) | 17. (6,2) |
| 4. (3,4) | 11. (8,8) | 18. (4,3) |
| 5. (2,6) | 12. (7,6) | 19. (4,2) |
| 6. (3,6) | 13. (9,5) | 20. (3,3) |
| 7. (3,8) | 14. (6,4) | 21. (6,6) |