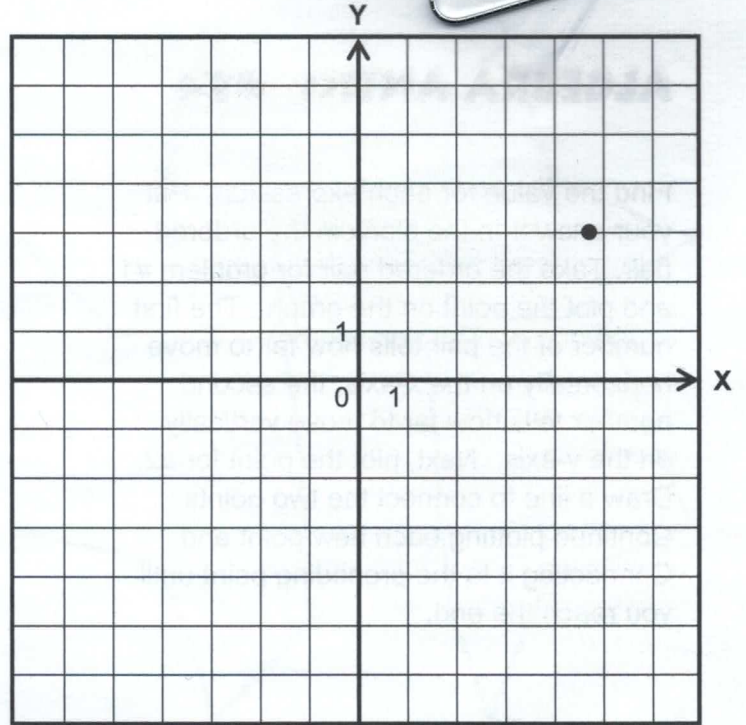


## ALGEBRA ANTICS #23

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.  $8y - 9 = \frac{7}{2}y$  (3,     )

2.  $\frac{7x + 5}{4} = x + 2$  (    , 0)

3.  $9(6 + 2a) = -(2 - 4a)$  (-1,     )

4.  $3 - 2k = \frac{8k - 3}{-3}$  (    , 2)

5.  $4(3h - 7) = -3(-2h) - 4$  (-5,     )

6.  $\frac{2(u - 5)}{3} = -2$  (-6,     )

7.  $8(7 - y) = 6(y + 9) + 2$  (-7,     )

8.  $6(f - 1) = 4(1 + 2f)$  (    , 0)

9.  $\frac{2 - v}{-2} = \frac{3v - 2}{5}$  (-1,     )

10.  $4x - 9 = \frac{5x - 3}{4}$  (    , -6)

11.  $3(r - 4) = 7(r + 2) - 2$  (7,     )

12.  $2(7 - w) = 2 - 5w$  (5,     )

13.  $5(2x - 3) - (x + 9) = 21$  (    , 2)

14.  $\frac{3a + 11}{8} = a - 3$  (    , 2)

15.  $6(y + 1) + 2(3 - y) = 7y$  (5,     )

16.  $-2(4 - c) = \frac{2}{3}c$  (5,     )

17.  $\frac{3}{4}(x + 5) = 3x - 3$  (    , 4)

18.  $3(2y + 3) = 2(5y) + 1$  (3,     )