Date _____

Name



Match the system of linear equations with the corresponding graph. Estimate the solution for each Graph.



3. Solve the system of linear equations by GRAPHING. (3 points for each question.)





Check 1st equation

$$-2x+3y=9$$

-2(1.5)+3(4)=9
-3+12=9
9=9V

2nd equation 2x + y = 7 a(1.5) + 4 = 7 3 + 4 = 7 $7 = 7 \sqrt{7}$

6. Solve using elimether Check your solution. (4 points) -6x + 5y = 25Solution -3(-2x - 4y = 14)-6x+5(-1)=25 -6x+5y=25 -6x -5= 25 6x +12y = -42 +5 +5 17 = -17 17 -6x= 30 -6 -1-Y=-1 X=-5 Check 1st equation 2nd equation - 2(-5) - 4(-1) = 14 -6 (-5)+5(-1)=25 10+4=14 30-5=25 14=14 25=25

7. A class of 366 students went on a field trip. They took 12 vehicles, some vans and some busses. Find the number of vans and the number of busses they took if each van holds 6 students and each bus holds 55 students. Write the $5\sqrt{34}$

of guotions. Solve Usign ANY strategy.

Solution 6 busses & 6 vons V+ b= 12 6V + 55 b = 366

$$-6v - 6b = -72$$

+ $6v + 55b = 366$
$$\frac{49b = 294}{49}$$

$$\frac{49}{49} = \frac{19}{49}$$

$$b = 6 \quad so \quad v = 6$$

. . .