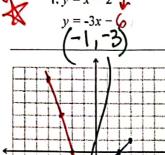
Spring Break - Unit 6 Review

−Form G →

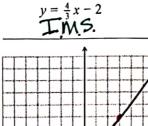
Solve each system by graphing.

Tell whether the system has one solution, infinitely many solutions, or no solution.

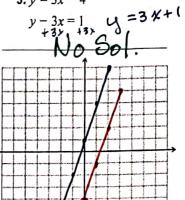




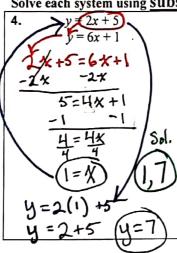
2.
$$3y - 4x = -6$$



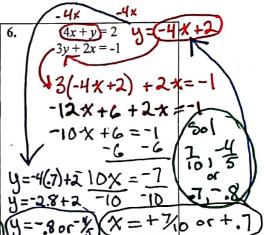
3.
$$y = 3x - 4$$



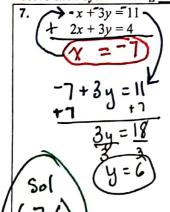
Solve each system using substitution.



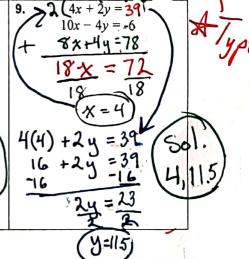
$$\begin{array}{c}
 x = 0 + 7 \\
 y - 8 = 2x \\
 y - 14 \\
 -y - y \\
 -y - y \\
 -8 = y + 14 \\
 \hline
 22 = y
 \end{array}$$

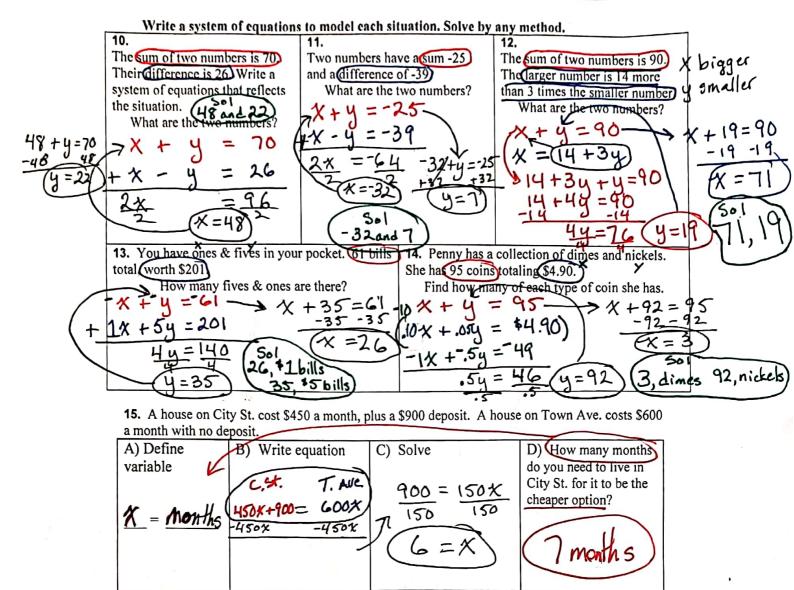


Solve each system using elimination

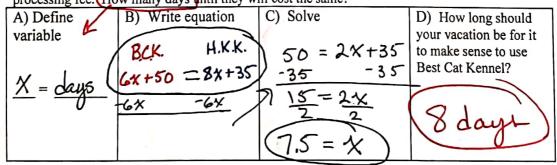


8.
$$3(2x + 4y = -12)$$
 $-6x + 5y = 2$
 $+ 6x + 12y = -36$
 $17y = -34$
 $-6x + 5(-2) = 2$
 $-6x + 10 = 2$
 $-6x = 12$
 $-6x = 12$
 $-2x = 2$





16. Joe is going on vacation and need to leave his cats at a kennel. Best Cat Kennel charges \$6 per day plus \$50 processing fee. The Here Kitty-Kitty Kennel charges \$8 per day and has a \$35 processing fee. How many days until they will cost the same?



17. Jay's Body Shop pays \$2400 a day for building rent & equipment. It usually costs \$450 to put together the average car. If they sell a car for an average of \$1,250, how many cars do they sell before they break even?

