

Name: _____ Date Turned In: _____ Class: _____

Algebra II: Classwork
Week of 09/14/26

****You must show all of your work and box your answer****

Upcoming Assignments:

Classwork: Due 09/21/26

Quiz: 9/21/26

Monday, 09/14/26

Pg. 35 #1-2

Solve the following systems of equations:

- $3x - y + 2z = 4$
 $2x + 3y - z = 14$
 $7x - 4y + 3z = -4$

$$\begin{aligned}
 2. \quad & 4t - 2y + 3v = 2 \\
 & 5t - 6u + 2v = -1 \\
 & 3t + 4u - 5v = 7
 \end{aligned}$$

Tuesday, 09/15/26

Pg. 36 (top) #4, Pg. 36 (bottom) #4

Solve the following systems of equations:

$$4. \quad x + 2y + 3z = 1$$

$$4x - 4y = 3$$

$$4y + 6z = 1$$

$$\begin{aligned}
 4. \quad & x + 2y + 2z = 1 \\
 & 3y + 4z = 1 \\
 & 4x - y = 3
 \end{aligned}$$

Wednesday, 09/16/26
Pg. 41 #9, 18

9. A boy completes a 30 mile trip in 3hrs and 45 mins, cycling part of the distance at an average speed of 10mph and waking the rest at an average speed of $2\frac{1}{2}$ mph. Find the number of miles walked.

Formula/Trips			

18. How many pounds of tea worth 85 cents per pound must be mixed with 5lb of tea worth 70 cents per pound to make a mixture which is worth 80 cents per pound.

Formula/Mixtures			

Thursday, 09/17/26

Pg. 41 #17, Pg. 44 #17

17. A baseball club bought 6 dozen balls, some being practice balls costing \$1.75 each and the others being game balls costing \$2.75 each. If the total bill was \$150, find the number of practice balls bought.

11. A committee wishes to raise \$75 by selling 120 tickets to a play, some tickets at 50 cents and the rest at 80 cents each. How many tickets should be sold at 80 cents each?

Friday, 09/18/26

Pg. 43 #11

11. A man leaves home at 8am driving at an average speed of 40mph. 10 minutes later his wife sets out to overtake him and drives at an average speed of 50mph. At what time does she overtake him?