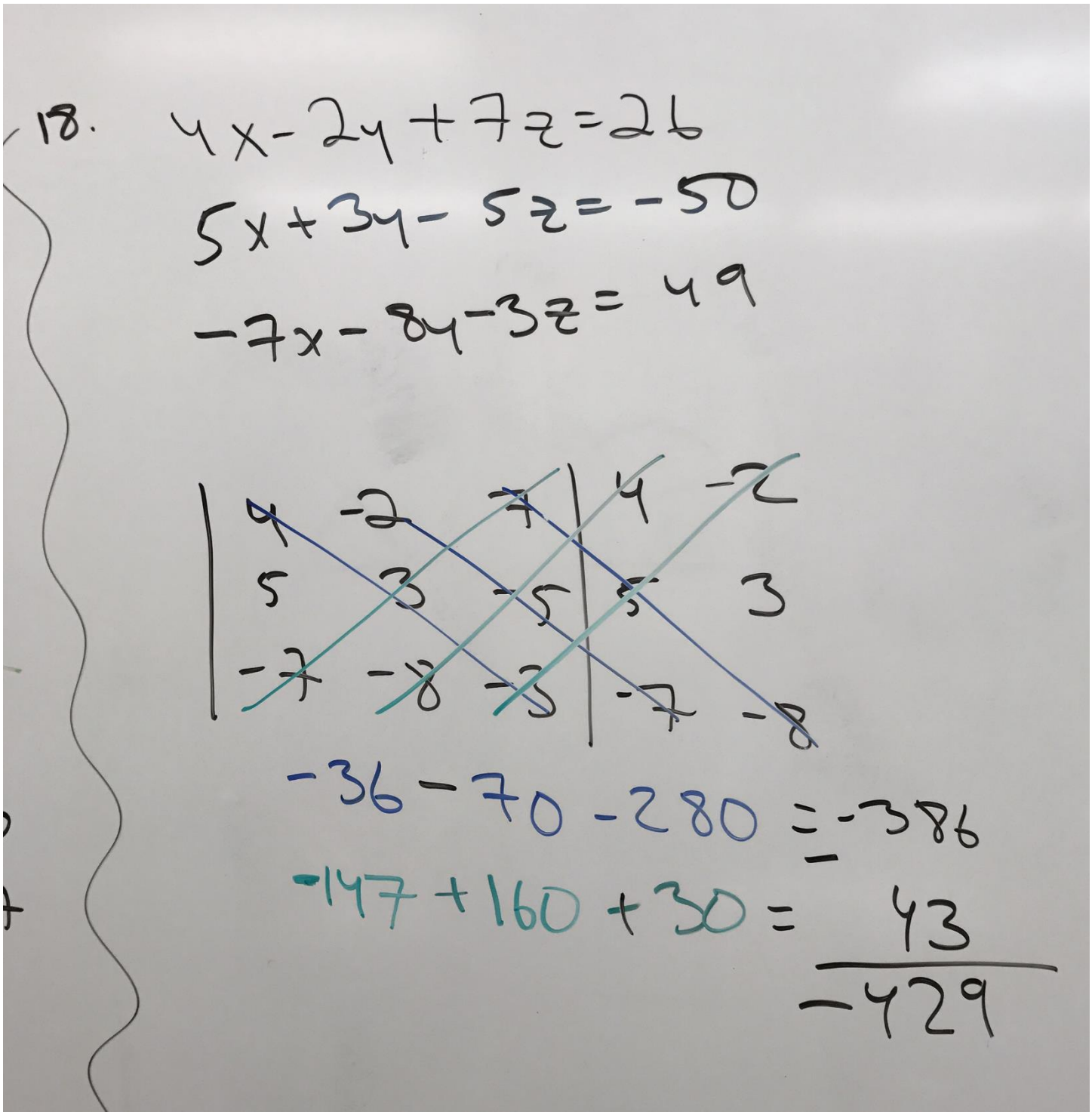
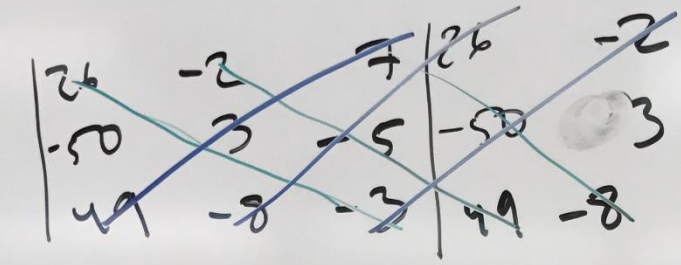
Solving Systems of Equations in Three Variables Using Cramer's Rule



X:



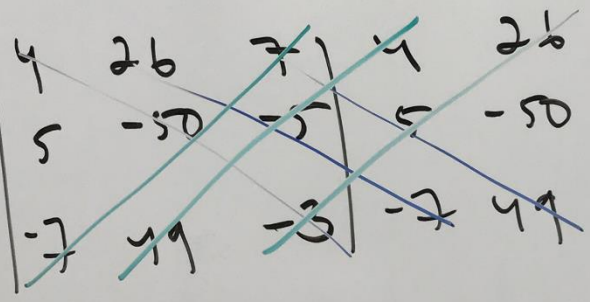
$-234 + 490 + 2800 = 3056$

$1029 + 1040 - 300 = 1769$

1287

$X = \frac{1287}{-429} = -3$

Y:

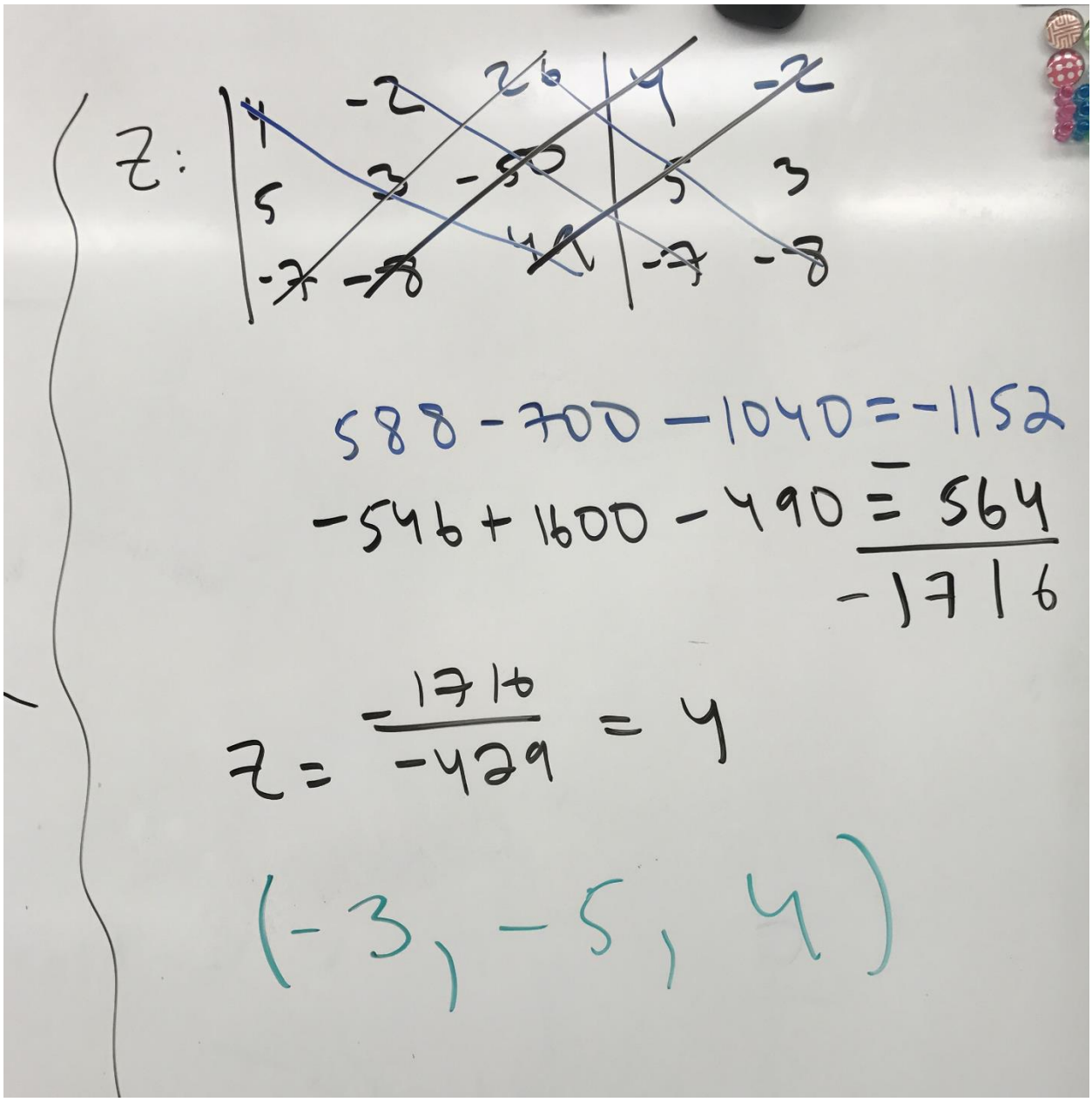


$600 + 910 + 1715 = 3225$

$2450 + -980 + -390 = 1080$

2145

$Y = \frac{2145}{-429} = -5$


z:
4 -2 26 4 -2
5 3 -50 5 3
-7 -8 40 -7 -8
588 - 700 - 1040 = -1152
-546 + 1600 - 490 = 564
-1716
z = -1716 / -429 = 4
(-3, -5, 4)