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ACHA4000

Pg 7

12:55

$$|A_3| = \begin{vmatrix} 2 & 3 & 14 \\ 1 & 2 & 4 \\ 3 & 1 & 19 \end{vmatrix}$$

$$\Rightarrow |A_3| = 2(38 - 4) - 3(19 - 12) + 14(1 - 6)$$

$$|A_3| = 68 - 21 + 70$$

$$|A_3| = 117$$

$$|A| = 6 \quad |A_1| = 115 \quad |A_2| = 46 \quad |A_3| = 117$$

$$x = \frac{|A_1|}{|A|} = \frac{115}{6}$$

$$y = \frac{|A_2|}{|A|} = \frac{46}{6}$$

$$z = \frac{|A_3|}{|A|} = \frac{117}{6}$$

$$z = \frac{|A_3|}{|A|} = \frac{117}{6} = \frac{39}{2}$$