$$\int_0^1 x^2 dx = \frac{1}{3} \tag{1}$$

$$\int_0^1 x^2 dx = \frac{1}{4} \tag{2}$$

$$\int_0^1 x^2 + x_2 dx = \frac{1}{5} \tag{3}$$

$$
\begin{aligned}
5x + 2y &= x + 2z + 3 & (4) \\
130x + 4z &= y + 2 \\
43y + 57z &= 20x + 99 & (5)
\end{aligned}
$$

$$
\begin{aligned}
5x + 2y = x + 2z + 3 & \qquad \text{(See (4))} \\
130x + 4z = y + 2 & \qquad (6)
\end{aligned}
$$

$$43y + 57z = 20x + 99$$