

$$\begin{array}{l} A \\ B \\ C \end{array} \left. \begin{array}{l} (1,2) \\ (3,10) \\ (5,1) \end{array} \right\}$$

$$\begin{array}{l} A \\ B \\ C \end{array} \left. \begin{array}{l} y = ax^2 + bx + c \\ 10 = 9a + 3b + c \\ 1 = 25a + 5b + c \end{array} \right\} \begin{array}{l} 2 = a + b + c \\ 10 = 9a + 3b + (2-a-b) \\ 1 = 25a + 5b + (2-a-b) \end{array}$$

$$c = 2 - a - b$$

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$$c = 2 + \frac{17}{8} - \frac{25}{2} =$$

$$= -6\frac{7}{8}$$

$$b = u + v - w$$

$$b = u + v - w$$

$$8a = -17$$

$$a = -\frac{17}{8}$$

$$\begin{array}{l} c = 2 - a - b \\ c = 2 - a - b \\ 1b = 1ba + 4b \\ b = u - w \\ -1 = 2ua + vb \\ \hline \end{array}$$

$$y = -\frac{17}{8}x^2 + \frac{25}{2}x + \frac{67}{8}$$