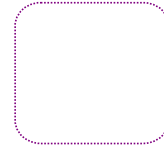


$$3. \text{I } x + y + z = 5$$

$$\text{II } 3x - z = 2 \leftarrow \text{LOOK!}$$

$$\text{III } x - y + 2z = 0$$



$$\text{I } x + y + z = 5$$

$$\text{III } x - y + 2z = 0$$

$$\textcircled{\text{A}} \text{II } 2x + 3z = 5$$

$$\text{II } (3x - z = 2) \cdot 3 \rightarrow 9x - 3z = 6$$

$$2x + 3z = 5$$

$$2(1) + 3z = 5$$

$$2 + 3z = 5$$

$$3z = 3$$

$$z = 1$$

$$2x + 3z = 5$$

$$9x - 3z = 6$$

$$\hline 11x = 11$$

$$x = 1$$

$$(1, 3, 1)$$

$$x + y + z = 5$$

$$(1) + y + (1) = 5$$

$$y + 2 = 5$$

$$y = 3$$

Check

$$(1) + (3) + (1) = 5 \\ 5 = 5 \checkmark$$

Check

$$3(1) - (1) = 2 \\ 3 - 1 = 2 \\ 2 = 2 \checkmark$$

Check

$$(1) - (3) + 2(1) = 0 \\ 1 - 3 + 2 = 0 \\ -2 + 2 = 0 \\ 0 = 0 \checkmark$$