

8) Distance b/w  $6x + 8y - 11 = 0$  &  $3x + 4y + 2 = 0$

$$6x + 8y - 11 = 0$$

$3x + 4y + 2 = 0$  can also be written as  $6x + 8y + 4 = 0$

$$d = \frac{|-11 - 4|}{\sqrt{6^2 + 8^2}} = \frac{15}{10} = 1.5 \text{ unit}$$