

6)

$$\begin{aligned}
 \text{(i)} \quad 5(2x+1) &= 4(3x+2) \\
 10x+5 &= 12x+8 \\
 5-8 &= 12x-10x \\
 -3 &= 2x \\
 -1.5 &= x
 \end{aligned}$$

(ii)

$$12x+15=4x-1$$

$$\begin{aligned}
 12x-4 &= -1+5 \\
 8x &= 4 \\
 x &= 0.5
 \end{aligned}$$

(iii)

$$\frac{(4x-1)}{3} = \frac{(5x+2)}{2}$$

$$\begin{aligned}
 8x-2 &= 15x+6 \\
 -2-6 &= 15x-8x \\
 -8 &= 7x \\
 -1.14 &= x
 \end{aligned}$$

7)

(i)