

03/11/20

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Module
code:
ACHA3000Student
Number:
2012643Question 2

$$(i) 15x - 2 = 12x + 9$$

$$= 15x - 12x = 9 + 2$$

$$= 3x = 11$$

$$= x = \frac{11}{3}$$

$$x = \underline{3.\dot{6}}$$

$$(ii) 3(7x - 2) = 6(x + 3)$$

$$= 21x - 6 = 6x + 18$$

$$= 21x - 6x = 18 + 6$$

$$= 15x = 24$$

$$(iii) \frac{5x+3}{4} = \frac{2x-1}{9}$$

$$= 9(5x+3) = 4(2x-1)$$

$$= 45x + 27 = 8x - 4$$

$$= 37x = -31$$

$$x = \underline{0.\dot{8}\dot{3}\dot{7}}$$