

ACHA3000 2107574 1/11/21

②

$$(ii) \underbrace{10(3x+2)}_{\downarrow} = 7(-2x-1)$$

$$30x+20$$

$$-14x-7$$

$$30x+20 = -14x-7 \quad +7$$

$$30x+27 = -14x \quad -30x$$

$$27 = -44x$$

$$\frac{-27}{44} = x$$

$$x = -\frac{27}{44}$$

$$(iii) \cancel{x^3+8x} - 20 = 0$$

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

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

$$\downarrow$$

$$3x-3 = 8x+4 \quad -3$$

$$\cancel{3x} = \cancel{8x} + 7 \quad -4$$

$$3x-7 = 8x \quad -3x$$

$$-7 = 8x \quad 5x$$

$$-\frac{7}{5} = x$$