Solution by the both Cartines:

$$\frac{1}{14\pi 1} \frac{1}{111}$$

$$(1) \frac{5n^{2} + 17n + 6}{n(n+2)(n+3)} = \frac{4}{n} + \frac{8}{n+2} + \frac{6}{n+3}$$
Find $1 + 6 - 6$

$$\frac{5n^{2} + 13n + 6}{n(n+2)(n+3)} = \frac{4(n+2)(n+3) + 6n(n+1) + 6(n(n+1))}{n(n+2) + (n+1)}$$

$$\frac{5n^{2} + 13n + 6}{n(n+2)(n+3)} = \frac{4(n+2)(n+3) + 6n(n+1) + 6(n(n+1))}{n(n+2) + (n+1)}$$

$$\frac{5n^{2} + 13n + 6}{n(n+2)(n+3)} = \frac{6(n(n+1) + 6(n(n+1)) + 6(n(n))}{n(n+2) + (n(n+1))}$$

$$\frac{6n^{2} + 13n + 6}{n(n+2)(n+3)} = \frac{6(n(n+1) + 6(n(n+1)) + 6(n(n+1))}{n(n+2) + (n(n+1))}$$

$$\frac{-3n^{2} = 28}{2} = 6 = -2$$

$$\frac{6(n)^{2} + 13(n+6) = 6(-3)(n) + 6(n(n+1)) + 6(n(n+1)) + 6(n(n+1))}{n(n+2) + 2}$$

$$\frac{6(n(n+1) + 6 = n(n(2)(n+3)) + 6(n(n+1)) + 6(n(n+1)) + 6(n(n+1)) + 6(n(n))}{n(n+2) + 2}$$

$$\frac{6(n(n+1) + 6 = n(n(2)(n+3)) + 6(n(n+1)) + 6(n(1)) + 6(n(1))$$

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$$\frac{(Uueshim 11}{(n - 1)^{3} + 2n - 24}$$

$$\frac{(Tueshim 12}{(n - 1)^{3} + 2n - 24}$$

$$\frac{(Tueshim 12}{(n - 1)^{(n + 1)}}$$

$$\frac{Tuesquals}{(n - 1)^{3} + 2n - 24}$$

$$\frac{(Tueshim 12}{(n - 1)^{(n + 1)}}$$

$$\frac{Tuesquals}{(n -$$

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Question 13 Resolve Into the bal Fraction $\frac{4n-13}{(n+k)(n-2)} = \frac{k}{(n+k)} + \frac{k}{(n-2)}$ 4 31-13 - + (2-7) + B(2113) (a+++)(+++)(+++)(+++) 4x-13 = A(m+7) + E(m15) Pat n=7 4(A)-13 = A(A) + B(7+8) 15= 15 B B = 15 = 1 Pat n=-8 4(-s) - 13 = A(-s-7) + B(0)-45 = -15 A $A = \frac{745}{715} = 3$ A-= 3 471-13 $\overline{(n+s)(n-7)} = \frac{3}{(n+8)} + \frac{1}{(n-7)}$

Gueshen 14 11 XnY= & Hun Xay an Sald to be Disjoint Disjoint Question 15 it set P = Fever numbers } and Lit the element of Prog. P = { 1,4,6,8, 10, 11, ... } 0= 18,9,10,11,17, 13,14, 15,163 PnQ = {8,10,17,14,162 Churshin Guien Set n= \$1,1,33 and Set Y= {3,1,23 Which af He Fillewing Statement is true for X w Y @ X ≠ Y @ X = Y@ X ST EX=YEX=Y Option & is the Correct OP hum .

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6.0

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Question 20

Let f: x -> Y be 2 mapping if every clement of the Co-domain. is an image of at least one element in the domain the mapping is called

Is Called a one to One mapping.

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