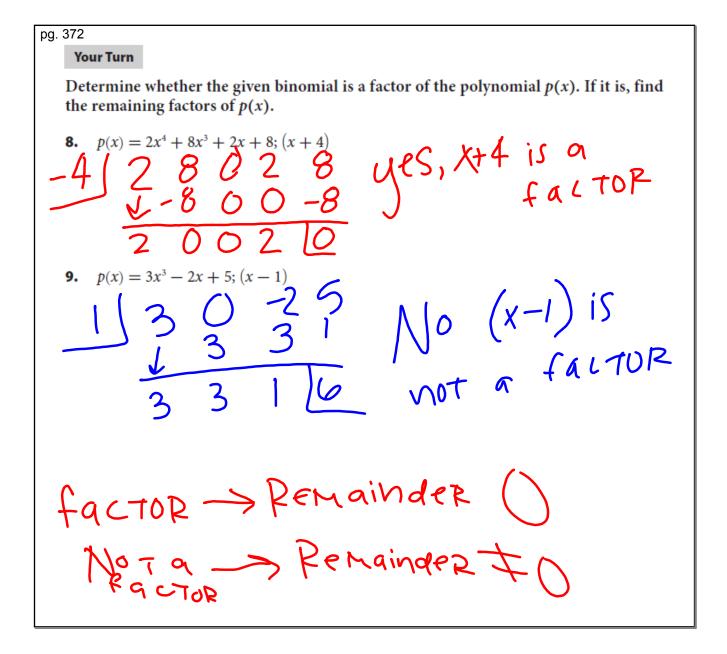


Identify the zeros of the following and explain what that FAGTOR means graphically. actor form f(x) = (x+2)(x-1)(x+3) evenly FORTOR: Something that divides evenly f(x) = (x+2)(x-1)(x+3) evenly f(x) = (x+2)(x-1)(x-3) evenly f(x) = (x+2)(x-3)(x-3) evenly f(x) = (x+2)(x-3)(x-3) evenly f(x) = (x+3)(x-3)(x-3) evenly f(x) = (x+3)(x-3)(x-3) evenly f(x) = (x+3)(x-3)(x-3) evenly f(x) = (x+3)(x-3)(x-3)(x-3) evenly f(x) = (x+3)(x-3)(x-3)(x-3)(x-3)ZEROS : What makes each factor=0, X= graphically: Where line touches (X-int). ZEROS: X=2,1,-3 Write the function in standard form and state the relationship between the degree and zeros of the function factor : f (x) = (x+2)(x-1)(x+3)X+7x-2 Degree = 3= Hofzeros



Find the factors and zeros of the polynomial  

$$f(x) = x^{3} + 2x^{2} - 19x - 20$$
  
 $factors - (x+5)(x+1)(x-4)$   
 $zeros : x = -5, -1, 4$ 

Find the factors and zeros of the polynomial  $x^3 - 2x^2 - 41x + 42$  $f_{qcTUZS}: (X+6)(X-1)(X-7)$ zeros: X = -6,1,7

Find the factors and zeros of the polynomial  $f(x) = x^{4} - 4x^{3} - 7x^{2} + 22x + 24$   $f(x) = x^{4} - 4x^{3} - 7x^{2} + 22x + 24$  f(x+2)(x+1)(x+3)(x-4) f(x+2)(x+1)(x+3)(x-4)  $Z \in \mathbb{R}$  f(x) = -7, -1, 3, 4

