Assignment 2 8/31/2022  $II(a)(\pi \times) \wedge (\pi < 10)$ 4 OCTICLE (P≥7) N(P<12) 75 pc12 (c)(x>5) 1 (x<7) + 5<x<7/ (d) (x <4) N (x < 6) + [x < 4]  $(e)(y<4) \wedge (y^2<4)$ 4 (yc4) 1 (y >-3) 1 (y <3) 3<4<3  $(f) (xz_0) \wedge (xc_0) | x=0$ 21(a) 0 is less than TI and TI is less than 10 (b) 7 is less than or equal to p and pis less than 12 (c) 5 is less than x and x is less than 7 8 0, V & V - V &n is false is of is (d) x is less than 4 (e) 3 is kess than y and y is kess than 5 (F) X 15 0 3) To prove that \$,1421...1\$ is true, prove of is true & pe[in] 4) to prove that \$1,1\$21.01\$

is false, prove 7 pelling such that

Op is false.

Justin Kim 5 (π>3)V(π>10) + [π >3] (1)(\*(20)V(X20) \$ \$x6/R | X +05 (c) X 20 d) [X20] (e) (x>3) V (xx3) (xx-3)/ X73"V XC-3 6 (0) to is greater than 3 (1) X's not equal to 0 (c) X is greater than or equal to 0 (e) X is greater than 3 or X is less than 3. 7 d, V d, V v ... V & is there if I PELI, m] Such that op is true. False 4 PETIN 9 (a) TSS.2 (b) X20 c)2(X=0) (a) x≠1 (e) ψ 10/(a) It is lear than aregral to 2. (b) X is greater than a equal to 0 (c) X is zero (d) X is not I (e) 4.

Assignment 2 8/51/2022 111 D= "The dollar is strang" Y= "The Yuan is strong" T= 11 Now US-China trade growners Sligned" (a) (DAY) (1) /TA TYAD (d) ITN DAY (e) TNDNY

Jestin Kim