Extra Delta Epsilon Proofs Homework Assignment

@ hi (3x+1)=13 DL+ 6 20 SALUTIONS (3)= (-2x14)=10 Q. f: (5x-7)=-2 Decard for 8) seasch for 8 We amot: We What FIN-1/20 151x3-1126 -10144 1f197 - 41 (22++4) 1(3×+1)-13 < E (5x-7) - (-2) 26 3x-12/26 -2x-6 5x -5 46 1-2(X+3) 13(x-4) 20 151x-1) 26 1-2 X-6-2) <6 15/1×-1/20 131 × 4/20 1×-41 4 第 1×-1125 Choose S= 4/21 Churse S= 5 Whity this S: DVanty this 8: DVerity this S: 021×=125= 02 X-a 25 -02/x-a/25=> => (x-1) < 5=> -> |x-(-3) 1< 1-1 -> (x-4) < 51 => /-2 / X+3 / 26 => 311×4126 => 1511 x-1/26 => |-2x-6/26 =) [3(x-4)] 26 =) | 5x-5 1 46 ⇒ |-2×+4-4-6|×6 => |3x-12 | 26 =) 5x-7+7 -5 16 =) |(5x-7)+2|(6) => |(2x+4)-10| + 6= |(5x-7)-(-2)| < 6 = |(2x+4)-10| < 6 = |(2x+4)-10| < 6 = |f(x)-L| < 6 = |f(x)=> /3×+1-1-12/46 =) / (3x+1)-13/16 => | fix - L / <6-

@f= (8x+1)=3 (9.1- (7x-6)=-6 OL- (=x-5)=-3 xale Detero Dieteso Derah for 8: Descard for SI I Search for S: We want -We what: We heart = 1519-1100 fix - 1 < 6 15143-L1 26 (8XH)-3/26 (Gx-5)-6-2) 20 1 (7x-c)-(-w)/20 8x-2/26 3x-2 26 1 8 (X- 1/4) 26 17x-6+6/20 1 = (x-6) 26 178126 18/ 1x- 44/ 24 11/18-6/26 17/1×126 1X- 14/26 1×-612 1/21 D NOTE: when a=0 this is the technique: Chuose S= [8] If we like we may write this as BG Werify this S: 1711X-01 < & we have obtained Charles 5= E 04 1-9 18=2 |X-0| - = |X-a|" DVerity this 8: => | X-14 | < 18 0x | x-a | 1 0=> Chours SEE -> X-6 14 1431 -> 8 X-4 26 DVerify this S: => | 8x -2 | 26 =) / 13 / X-6/26 0< |X-4 | 2 5 - 6 => | 8x+1-1-2 | <6 -> |X- 0 / × 171 => / 13x-2 26 => (8XH)-3/4E => /13X -5+5-2 (6 => | 7 | | X | 26 => | Sing - L | 26 -=> ((13×-5)+3 × 6 =) | 7× | 26 =) |7x-6+6 1E => | (1/3×-5)-(-3) | 26 =) ((7x-6)-(-6) (6 => [fin - L] (E-=> | fin - L/16-

Dit (-2x-15) -5 Q L= (mx) = (ma) @. L. (-x12)=7 x3(-5) Diet 620 ID Search for S Detero) search for d Dearch ford: We what: We want: We want : 151x)-L/26 5103-2126 1fro-L <6 (mx)-(ma) 1+0 1 (-2x-13)-1-5) 26 (-x+2)-2/26 MX-MALLG 1-2x-8/26 1-x-5 46 1-1(X+5)126 (x-a) 26 2 (X+4) 24 1-1 X-6-5) 100 1m||x-a|16 1-21 X-6-40 26 X-(-5) 1 1-11 1x-al = m 1x- c- 4) < 5 Chuose 5= E choose d= imi Chouse S= E I Verity this S: Wenty this S: Werty this d: 02 X-a 250 02/X-a/28-> => |x-a| < 1m1 0×1×-a125→ =>1×-C-4)1<5→ -> X- (-5) < 5 => [m] |X-a] 10 => |-1| | × +5 | 1 + =) mx-ma/26 => |-2 | X+4 | 1 + => |-x-5 | < 6 => | (mx) - (ma) | 20. => /-2x-8/26 => (-x+2-2-5 x 6 Fix - 445-=> (-x+1) - 7 < 6 -> |-2x-13+13-8/ 18 -> | fixj - L | 26-=> ((-2x-13) + 5 | 16 -> | (-2x-13) - (-5) < + =) | fix) - L | 26 L