f(2017)= 1.3 till out the table tirst f(2). Use the fact that f(1) is odd and persodie. f(t)=f(t+c). f(6) => f(-6)=-f(6)=-2.2 Knew We f(6) = f(-16+10) = f(2) = 7 f(2) = -212  $P(-3) = -P(3) = 2.9 = 7 f(-3) = f(-3+\epsilon) = f(5) = 2.9$ f(v) = - f(-v); only possible if f(v)=0 f(4) = f(4-6) = f(-4), but f(4) = -f(-4) as will =7 P(4) = 0 We can see that 2017/8 = 252 remainder of 1=7f(1+2016)=1.3

ranstormations Order of transtornations Horizontal: Stretch, Reflect, Shift Vertical: Stretch, Reflect, Shift We can see that there are horizontal stretches/compressions (to get vid of the 4 and shifts (to get (x-5)). We also have a vertical streten 1x-5)2 vertical stretchilly a factor of 3 3 (x-5)2 = 9 (x

```
MW) = 185° F
                                           M(5) = 140° F
3a) M(1) = A+ Bert
     Horizontal asymptote: lim MIL) = 68° F
                         L-700
  We know that k should be 20 since
  this is a decaying exp. function
   Im MUL) - lun A + Bekt = 1
    とうか
           t-nor
  M(0) = 68+ B = 140 =7 18=185-68=117
  M(t) = 608+117ext
  M(5) = 68+ 117est =
                 117est = 140 - 68 = 72
     (1t)=68+ 100e-0.05t
                               -0.05 t
      ((K)=131=7 (08+100e
                            100e<sup>-0.05t</sup> = 131-68 = 63
                            e.05t= 03/100
                      -105t In(e) = In(100)
                             t = \ln(62) \cdot -\frac{1}{105} = -20 \ln(63)
```