Rough Work & HW-1.1

- 1) 2l+2w=p 2l+2w=18+u l=18-2w=18=9-w4(w)=9-w(w)
- $\begin{array}{ll}
 \text{D} f(u); (9,1) & (6,5) \\
 \text{M} = \frac{424}{7271} = \frac{5-(-1)}{-6-a} = \frac{6}{-15} \\
 \text{M} = \frac{16}{15} \text{ M+b}; \quad 5 = \frac{16}{15} (6) + \frac{16}{15} \\
 \text{M} = \frac{36}{15} + \frac{16}{15}; \quad b = \frac{16}{15} \frac{36}{15} \\
 \text{M} = \frac{16}{15} + \frac{13}{15}; \quad \gamma = \frac{16}{15} + \frac{13}{15}
 \end{array}$
- 3 14n=7413; 7y=14n-13 y= 14n-13= 2n-13 elape=2 & y-int: -13
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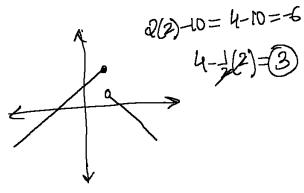
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- (but raised to odd # then D: NER
- (3) f(n)= 4 = 4n 1-5n=0 tun n=1/5 qn+0 1: ne(-0x10)U(0/5)U(1/5~0)
 - (6) g(n)= lontin/= lot/n/n
 then Dint(-000) v(0,00)
 then Range: 29,119
 - 7 f(u)= {2n-10; n=2 24-1=1: n>2



(8) Analyzing a grouph and purclisting range

- 1 Guering the graph baced on the equation.
 - (b) S(x)=3 (b) S(x)=g(x) at \(\frac{2}{2},2\frac{2}{3}\) (c) g(x)=5 then x=0 (d) S(x) \(\frac{1}{3}\) \(\frac{
 - (1) $f(u) = \begin{cases} f_1(u) & u < 1 \\ f_2(u) & 1 \le n \le 2 \end{cases}$ $f_3(u) & u > 3$ $f_1(u) = 2; f_2(u) = u 2$ $f_3(u) = 2u 7$ y = 2u + b at (3, -1) -1 = 2(3) + b; -1 6 = b y = 2u 7
 - (13) 1. f(n)= n⁶ E 2. f(n)= n³+n⁹+n 0 3. f(n)= -6n⁴-3n⁶-3 E 4. f(n)= n⁴-6n⁶+3n⁶ E

At noon I am a dietance
I mile away from the lake
unlaxing. Lowards
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towards at Imph to home is
o mile away

Look of the graph propelly dumbale.