$$(-2)^{9}$$
 $(-2)^{9}$

$$\frac{13}{3}$$
 5
 α) $\frac{5}{2}(k+1) = \frac{5}{2}(k) + \frac{5}{2}(1) = \frac{(5+1)5}{2} + 5 = 15 + 5 = 20$
 $\frac{13}{2}$ 5
 $\frac{5}{2}(k+1) = \frac{5}{2}(k) + \frac{5}{2}(1) = \frac{(5+1)5}{2} + 5 = 15 + 5 = 20$

b)
$$\sum_{k=0}^{3} (-2)^{k} = \sum_{k=0}^{3} (-2)^{k+1} - 1 = \frac{(-2)^{5} - 1}{-3} = \frac{-32^{-1}}{-3} = \frac{1}{3}$$

$$3) \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} - \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{$$

$$\frac{15}{9}$$
 $\frac{15}{10}$ $\frac{15}{10}$ $\frac{15}{10}$ $\frac{15}{10}$ $\frac{15}{10}$ $\frac{15}{10}$ $\frac{15}{10}$ $\frac{15}{10}$ $\frac{15}{10}$ $\frac{15}{10}$

b)
$$\frac{7}{2}z^{3+1} = \frac{1}{2}\underbrace{8}_{3=0}^{7} = 2\underbrace{255}_{3=0} = 2\underbrace{255}_{3=0} = \frac{510}{2-1}$$

6)
$$\leq 2 = \frac{1}{2} \leq 2 = 2 \left(\frac{2}{2-1}\right) = 2(255) = 510$$

c)
$$\frac{6}{5}(-3)^{(3+2)} = (-3)^{2} \frac{6}{5}(-3)^{2} = 9/(-3)^{6+1} - 1$$

 $\frac{6}{5}(-3)^{(3+2)} = (-3)^{2} \frac{6}{5}(-3)^{2} = 9/(-3)^{6+1} - 1$
 $\frac{6}{5}(-3)^{(3+2)} = 2/(-3)^{2} = 9/(-3)^{6+1} - 1$
 $\frac{6}{5}(-3)^{(3+2)} = 2/(-3)^{(3+2)} = 9/(-3)^{(4)} = 9/(-3)^{($

$$\frac{16}{9} = 8 + \frac{1}{1-1} = 9 + \frac{8}{1-1} = 9 + \frac{1}{1-1} = 9$$

b)
$$\frac{8}{5}3^{2} - \frac{8}{5}2^{2} = \frac{3^{2}-1}{3-1} = \frac{2^{2}-1}{2-1} = \frac{9841-511}{3-1} = \frac{9330}{2-1}$$

6 = 3((1+2) + (2+2)] = 31 (P) b) $\leq \leq (3i+2i) = \leq (3i+1+3i+2+3i+4) = \leq 9i+7 = (1+7+9+7+18+7+27+7)$ c) & & j = & (0+1+2) = & 3 = 9 d) 23 23 = 2 (812+112+812+2712) 3 3612 = 36 (0) + 36 (1) + 36 (2) = 180 K(K+1) = K K+1 $a_{12} = \frac{1}{12}$ $a_{12} = \frac{1}{12}$ $a_{12} = \frac{1}{12}$ $a_{13} = \frac{1}{12}$ $a_{14} = \frac{1}{12}$ a_{14} EN K(K+1) Ex= (ak-akti) ax= to (an-ant+ (an-a100)+ ... (az-93)+(a,-92) => everything cancels except a f-anti 24 S K3 = S K3 - S K3
L3 = S K3 - S K3 = 2002 (200+1)2 982 (98+1)2 - 404010000 - 23532201 380477799

P2/2/