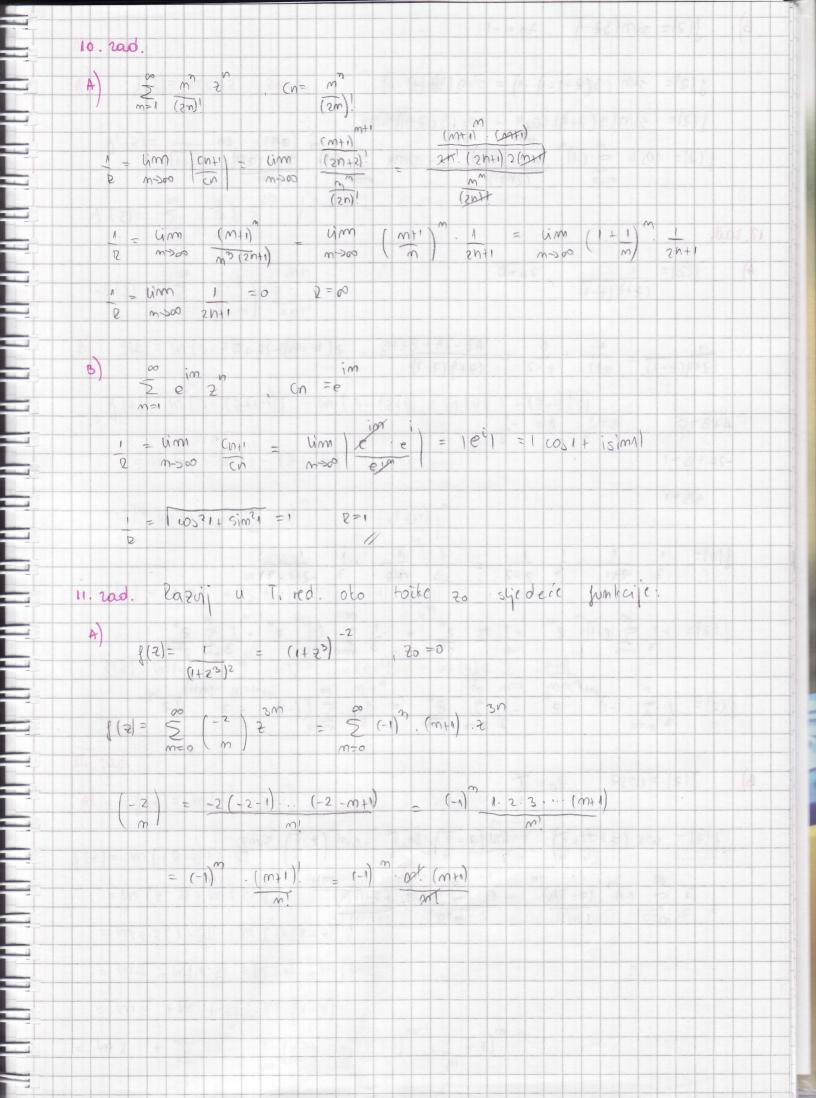
8. ras. 2 W/ 5 p (n=m) (m+1)! = (im) m! (m+1) = 01 = 1im Cn+1 = lim 5 Was n300 m! pat CM moon P=0 [t On = 1 m=e lim (im)m (im)" = = 600 m/1001 = 1 m -0 5 = 00 M200 in 9, rad. 0 (2m). 2h (n = (2m)! (m1)2 (sh1s)! (3HT) (3NH) (2NH2) mi) 1 (ns) = vim sat (mt) m/ (mt) (n+) = im 8 m 300 Cn m-500 (24)t MIZ (m!)2 (2011) · 2 (anti) Lim 1 = lim lim 4+2/m =4 umt2: m E m200 (m+1)(m+1) m-200 1+11m m-500 n+1 :m R=1 o into a 111 (n=em B 1 = 4m m (1cm) = 4m 1e 1 m2 = 1 2 m>00 m->00 R=1



b)
$$\frac{1}{2} = \sin(32 + 1) + 20 = -1$$
 $\frac{1}{2} = \sin(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \sin(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \sin(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \sin(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \sin(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \sin(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \sin(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \sin(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \cos(32 + 1) + 3 = \cos(32 + 1) + 3 = \sin(32 + 1) + 3$
 $\frac{1}{2} = \cos(32 + 1) + 3 = \cos(32 + 1) +$

13. rad.

$$J'(z) = \frac{1}{(1+z)^{-\frac{1}{2}}} = (1+z)^{-\frac{1}{2}}$$

$$J'(z) = \sum_{m=0}^{\infty} {\binom{-1}{2}} z^{m} / J$$

$$\frac{1}{3}(\frac{1}{2}) = \frac{1}{2} \frac{2n+1}{2n+1}$$

$$\frac{1}{3}(\frac{1}{2}) = \frac{2n+1}{2n+1}$$

$$\frac{1}{2}(2) = \ln(3 - (2+1-1)) = \ln(4 + (2+1)) = \ln(4 + (2+1)/4)$$

$$J(2) = m(u) + \sum_{n=1}^{\infty} (-1)^{n-1} \cdot (-(2+1))^{n}$$

$$\frac{1}{2}(2) = m(4) + \frac{\infty}{2}(-1) + \frac{1}{m} \cdot (-1) + \frac{m}{4} \cdot \frac{(2+1)^m}{4^m}$$

$$J(2) = ln(u)$$
 $\uparrow \sum_{m=1}^{\infty} (-1)$ $\frac{(2+1)}{m!4!} = ln(u) - \sum_{m=1}^{\infty} \frac{(2+1)!}{m!4!}$

14. rad.

= lm (2-2) + lm (2-1)

$$= m + \sum_{i=1}^{n} (-1)^{m-1} \cdot \frac{1}{m} \left(-\frac{2}{2}\right)^{m} + \sum_{i=1}^{n} (-1)^{m-1} \cdot \frac{1}{m} \left(-\frac{2}{2}\right)^{m}$$