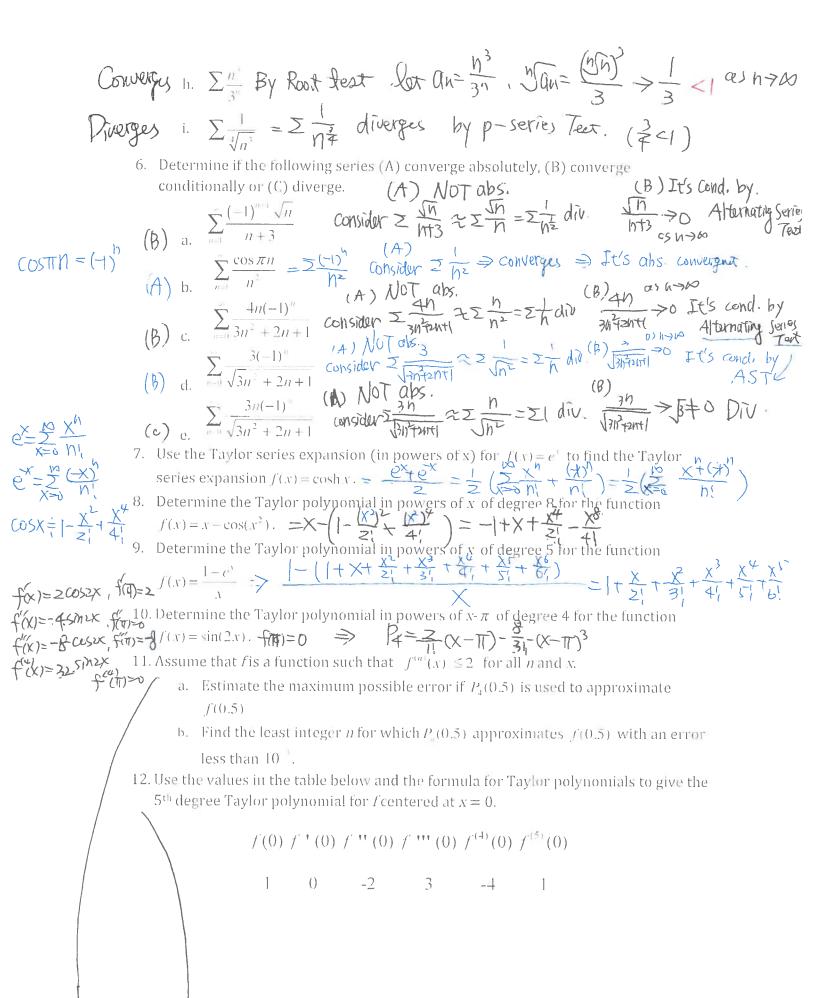


This part on or until 
$$\frac{1}{2}$$
  $\frac{1}{2}$   $\frac{$ 



$$R_{410,5} = \left| \frac{f^{(5)}(c)}{5!} (0,5)^{5} \right| (CE(0,015) = (0,\frac{1}{2})$$

$$= |f^{(5)}(c)| \left| \frac{1}{5!} (\frac{1}{2})^{5} \right| \approx 2 \left| \frac{1}{5!} (\frac{1}{2})^{5} \right| = \frac{1}{5!} \cdot \frac{1}{24}$$

(b) Find 
$$n \le 1$$
.  $|Rn(0|5)| \le 10^3 = \frac{1}{(000)}$ 

$$\Rightarrow |Rn(0|5)| = |f^{(n+1)}(c)| = |f^{(n+1)}| = |f^{(n+1)}| = |f^{(n+1)}| = \frac{1}{(n+1)!} = \frac{1}{2^{n+1}} = \frac{1}{(000)} =$$

$$\begin{cases} 2, & f(0) \times \frac{f'(0)}{2!} \times \frac{f''(0)}{2!} \times \frac{f''(0)}{3!} \times \frac{f''(0)}{4!} \times \frac{f''(0)}{5!} \times$$