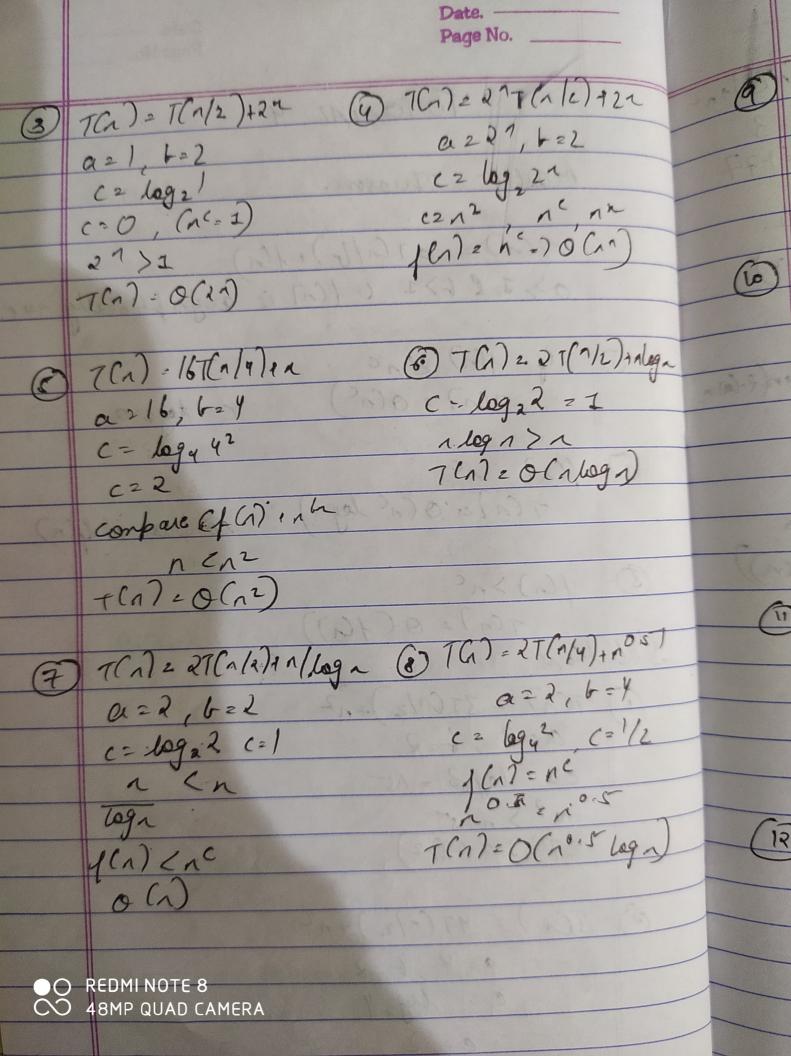
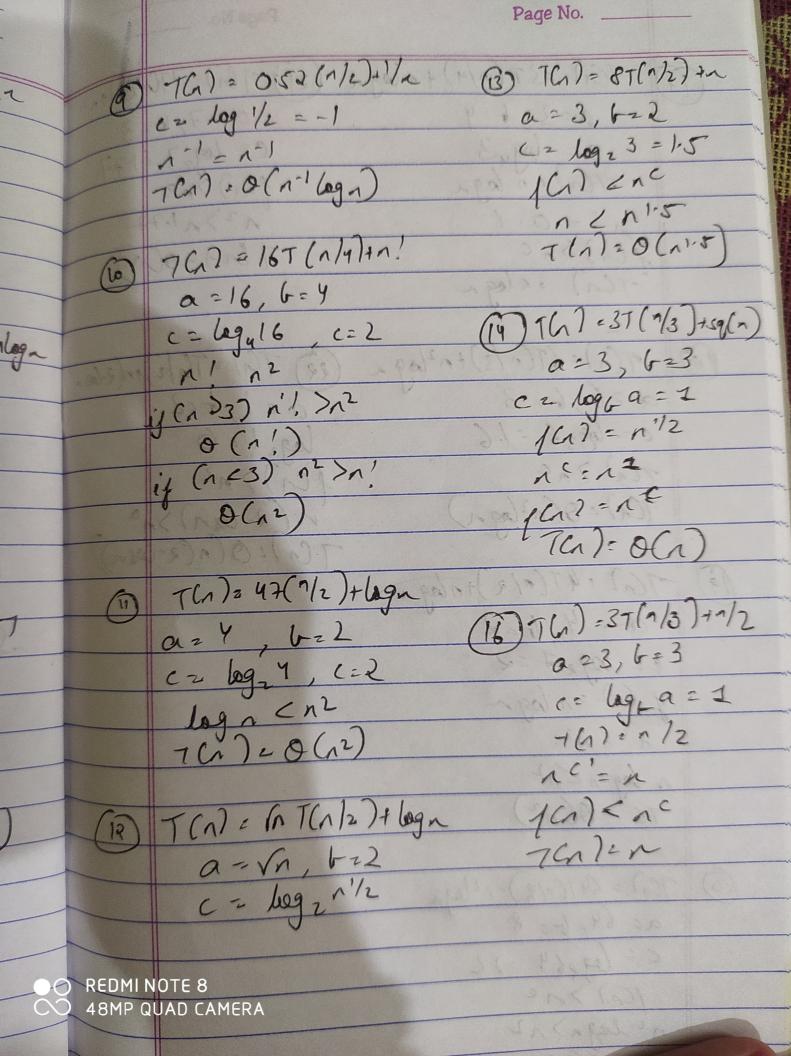
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| Master's Theorem.  | The state of the s |
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| 0 if y(n) 2 nc<br>7(n) = 0(nc)   | 29(Ma)121-(20) 13  |
| 7(n) = 0(n°)   | C= log+ a  |
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| 6 7C, 7 = 47(n/2)  | ) + //   |
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| O REDMINOTE 8  | n2 n2 1007 = 0 (n2 logn)   |
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TG1 =3T(n/4)+nlega (21) TG)=776/37+2 027,623 a23,6=4 C= log 7 = 1-77 c= 69,3 190720 12721-77 TC1 = n loga 1 = 0.1 767-062) jen) > nc T(n) = 1 lag ~ (22) TG) 2-TG/2)+n(2-60, 7(n)=67(n/3)+n2loga a = 1, 6 = 2 a 26,6=3 log2126 c = log36 = 1.6 1cm7nc That Tac 7 (2-lan) > no 7 (n) 20 (n(2-lasn)) TC120(12691) TG2: 4T(a/2)+aloga a 2 4, 6= 2 ez loga I Z2 1 (n) = n log ~ 12=12 1 log 1 < 12 TC = O(n2) (6) TCN = 64T(N8)-12 loga ac 64, bz 8 c= (egp64 =) L 76-0(n' logn)