











T(+) = 5 2t Find C : 15c-3t t < 10 i) Find C if T is continuous at t = 10 min lim T(t) = lim T(t) t > 10- $| 2t = c^2 - 15c - 3t$ $\frac{1}{20} = \frac{2}{150} = \frac{30}{150}$ C2-15C-50=0 · [c = 17.8, -2.8.] 11) Explain why T must be bondinuous at t= 10 min () T(10) = 20 2 lim T(t) = lim T(t). 20 = 20 limit enist 3 0 = 0 26 = 20 function is continuous at t=10 min. 92. Find value of x where function is discontinuous. a) f(n) = x3 + 3x · Function is continuous · No point where function is discontinuous. b) f(u) = 5 N2-81 n2-81 = 0 21 - + 9 If (n) is discontinuous at n = 9 and n = - 4.

9)
$$f(x) = x^2 + 2x - 2^4$$
 $f(x) = x^2 - 36 = 0$
 $f(x) = (x - 4)(x + 6)$
 $f(x) = (x - 4)(x + 6)$
 $f(x) = (x - 4)(x + 6)$
 $f(x) = x - 4$
 $f(x) = x - 6$
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