```
Reven 6.1, 6.2, 6.8, 6.9, 6.10, 6.14
Exercise 6.3 6.4
                                 613
6.3.)
                                 6.2) True
    a) f(x)>2x
                                (8) a) x, and x2
       P'(x) = 2
      f((r) 2 0
     f"(0) = 2 >6
         O is minimum
   P) fi(x) = 3x3
     P(x) = 6x
     f'(a) = 0 and f''(a) = 0
      o is a critical point, and order optimality condition
      is inconclusive. 0 -> inflection print
  ci) f1(x) = 4x3
    2×51=(x)=15 ×5
    f1(0) = 0
    P.(0) 20
    O is a critical point, same as previous question except
    muminim C- 0
 d) f'(b) = -4x3
   fu(x) = -12 x2
   f(0)20
    t ((0) =0
     O is a critical print and maximum,
     2nd order & inconclusive.
```

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