AP car AR: 2.5B

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60. 6x+29=1
  45. y= cos ~ sin (+an Tix).
                                                                                                  24= -6×+1
       y' = - sin Isin (tan Ta) & Isin (tan Tax)
          = -sin \sqrt{\sin(\tan \pi \alpha)} \cdot \frac{1}{2} \left(\sin(\tan \pi \alpha)\right)^{-1/2} \frac{d}{d\alpha} \sin(\tan \pi \alpha)
         = -\frac{1}{2} sin \sqrt{\sin(\tan \pi x)} (sin (\tan \pi x)) \frac{d}{dx} cos (\tan \pi x) \cdot \frac{d}{dx} tan \pi x
                                                                                                 Perpendicular line will have slope of 1
        = - \frac{1}{2} \sin \J \sin (\tan \pi x) \[ \sin (\tan \pi x) \] \[ \sin (\tan \pi x) \] \[ \sin (\tan \pi x) \]
                                                                                                  y= NI+2x
                                                                                                  y'= 5 (1+2x) 1/2 = (1+2x) -1/2
       = - \frac{\pi}{2} sin \sqrt{\sin(\tan \pi x)} [ \sin(\tan \pi x)] \cos(\tan \pi x) sec<sup>2</sup> \pi x
                                                                                                  \frac{1}{3} = \frac{1}{\sqrt{1+2}}
                                                                                                   3= N1+21x
50. y= (1+tanx)2
                                                                                                    9= 1+2%
                                                                                                                          N 1+2(4) = 3
     y'= -2 (1+tanx) -3 sec2x
                                                                                                                     y-3 = 1/3 (x-4)
    y'' = -2(1+\tan x)^{-3} \frac{d}{dx} \sec^2 x + \sec^2 x \frac{d}{dx} \left[ -2(1+\tan x)^{-3} \right]
                                                                                                         was alexander
       = -2(1+tanx)-3 [2 secx. secxtanx] + sec2x[46(1+tanx)-4 sec2x]
                                                                                                                   *DETERMENT
      = 2 5cc2x [-2 tanx (1+tanx)-3 + 3 sec2x (1+tanx)-4]
                                            64. a. F(x) = f(f(x))
                                                                                                       Pr(xx) = x = 2 (9(x2)) + 9(x2)
                                                       FI(x) = fI(t(x)) . fI(x)
     y'= 1/2 (1+x3) -1/2 . 3x2
                                                                                                                x 315x27.2+ 3 (x2)
                                                      F'(2) = f'(1) . 5 = (20)
        = 2 1+ x3 . 3x2
                                                 b. G(x) = g(g(x))
                                                      a'(x) = g'(g(x)) · g'(x)
                                                      a1(3) = 91(2) . 9 = 63
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4-3 = 2 (x-2)

30.
$$f(n) = n \cdot g(n^2)$$

31. $f(n) = n \cdot g(n^2)$

32. $f(n) = n \cdot g(n^2)$

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34. $f(n) = n \cdot g(n^2)$

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33. $f(n) = n \cdot g(n^2)$

34. $f(n) = n \cdot g(n^$

- 17 35 x cos (17 x) - 35 17 34 sh(17x)