

Lesson # 28

Pg 187 (10-20) even
25, 26

★ must use def of deriv.!

$$10. f'(x) = -\frac{2}{x^3}$$

$$y-1 = 2(x+1)$$

$$12. f'(x) = 6x^2$$

$$y+1 = 6(x+1)$$

$$14. f'(x) = \frac{1}{\sqrt{2x+1}}$$

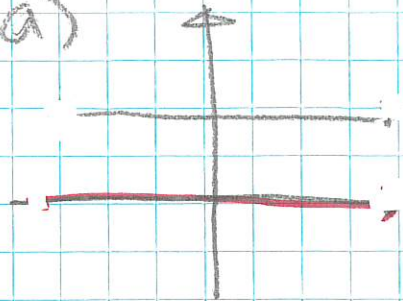
$$y-3 = \frac{1}{3}(x-4)$$

$$16. \frac{dy}{dx} = \frac{-1}{(x+1)^2}$$

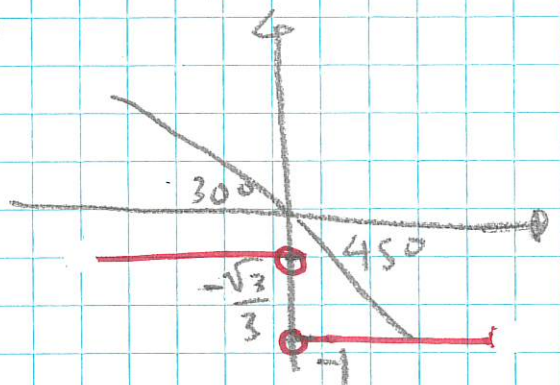
$$18. \frac{dy}{dx} = 4x^3$$

$$20. \frac{dy}{dx} = \frac{1}{2\sqrt{(x-1)^3}}$$

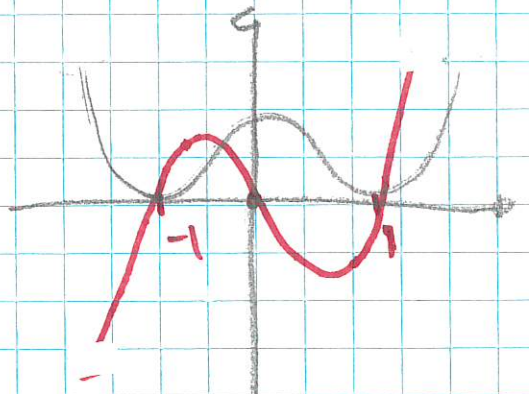
25. a)



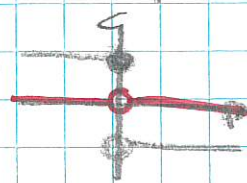
b)



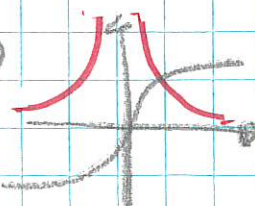
c)



26. a)



b)



c)

