IB Calculus

Fun Derivatives Practice (Work on graph paper)

Find .

1.  2. 

3.  4. 

5.  6. 

7.  8. 

9.  10. 

11.  12. 

13.  14. 

15.  16. 

17.  18. .

19. Derive the formula for y’ if y = tan-1x by writing the given function as tan y = x, then using implicit differentiation. Transform the answer so that y’ is expressed as an algebraic function of x.

20. Given  and , if . Find , , , .