Calculus Worksheet #1 Unit 6 page 1 _____

Find dy/dy for each of the following.

1. $y = \sin(x)$

2. $y = \cos(x)$

3. $y = \sin(2x)$

4. $y = \cos(5x)$

5. $y = \sin(3x + 1)$

6. $y = \cos(7x - 3)$

7. $y = \sin(x^2)$

8. $y = \cos(3x^2)$

9. $y = \sin(5x^3 - 1)$

10. $y = \cos(3 - x^4)$

11. $y = \sin^4(x)$

12. $y = \cos^3(x)$

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Find dy/dy for each of the following.

13. $y = \sin^5(x^2 + 1)$

14. $y = \cos^2(3 - x^3)$

15. $y = \sin \sqrt{x}$

16. $y = \cos \sqrt{x}$

17. $y = \sqrt{\sin(x)}$

18. $y = \sqrt{\cos(x)}$

19. $y = \sin \sqrt{2x - 1}$

20. $y = \cos \sqrt{3x + 5}$