

CH 17/3 REVIEW (OLD BOOK) + CH 12 (REGULAR BOOK)

2. $\frac{1}{4}$

p793

22. $-\infty$

4. $\frac{1}{2}$

26. $m = 3t^2 + 4$

6. 8

30. $v(t) = -4t + 3$

8. -3

36. $g'(h) = \frac{3\sqrt[4]{h} - 4}{\sqrt{h}}$

10. $12x^2$

12. $5x^4(7x^2 - 15)$

38. $\frac{2q[2q^4 - 48q^2 + 3]}{(q^2 - 12)^2}$

14. $\frac{(3x-1)(3x+1)}{2x^2}$

42. $\frac{75}{2}$

16. $\frac{1}{4}$

20. $y + 5 = 10(x + 2)$
 $y = 10x + 15$

22. $y + 5 = -1(x - 2)$
 $y = -x - 3$

24. (3, 0) min
 (1, 4) max
 (2, 2) POI

Chapter 17 & Chapter 12 Review Sheet

1. $\frac{2}{9}$

17. $y - 9 = 10(x - 2)$

2. -1

18. $(4, -12)$ min

3. 1

19. $(0, 3)$ max

$(-2, -1)$ min

4. 18

$(-1, 1)$ POI

5. $-\frac{2}{3}$

20. $-\frac{2}{x\sqrt[3]{x^2}}$

6. $\frac{1}{3}$

21. $\frac{-4x^2(2x+9)}{(2x-3)^5}$

7. 27

8. $12x^2$

9. $2(x+3)$

10. $24x^3$

11. $2x^5(7x+18)$

12. $\frac{2(1-x)(1+x)}{(1+x^2)^2}$

13. $\frac{4x}{\sqrt{(2x-1)(2x+1)}}$

14. $\frac{187}{64}u^2$

15. $\frac{63}{8}u^2$ or $7\frac{7}{8}u^2$

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