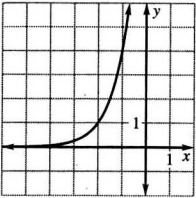
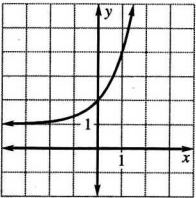
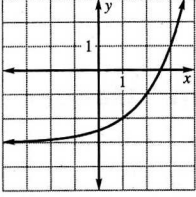
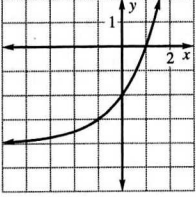
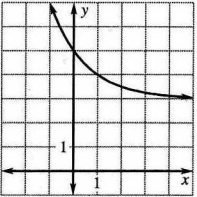
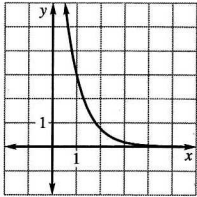
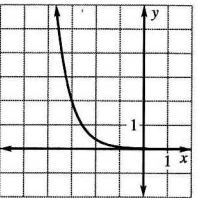
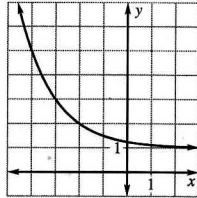


REVIEW WORKSHEET SECTIONS 8.1-8.4 ANSWERS

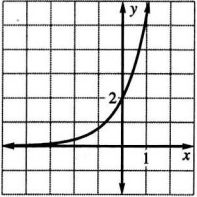
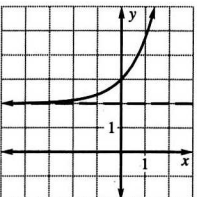
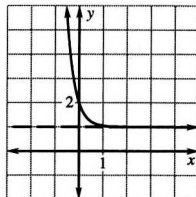
Section 8.1 (#13, 15, 18, 19, 22, 24, 24, 26, 29)

<p>13. </p> <p>15. </p> <p>18. </p> <p>19. </p>	<p>22) 25.2, 1.15, 15%</p> <p>24) 88.7</p> <p>24) a) \$1077.80 b) \$1077.88</p> <p>26) $C = 15000(1.072)^t$</p> <p>29) \$60,254.15</p>
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Section 8.2 (#1-3, 10, 12, 13, 15, 16, 25, 26, 29, 30)

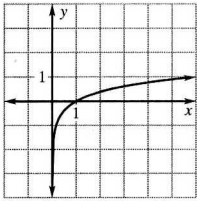
<p>10. </p> <p>12. </p> <p>13. </p> <p>15. </p>	<p>1) exponential decay 2) exponential growth 3) exponential decay 16) \$1.14 25) $y = 250000(0.88)^t$ 26) \$131,932.98 29) $y = 830(0.87)^t$ 30) \$722.10</p>
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Section 8.3 (#1-10, 11-19 odd, 24, 26, 27, 30, 31)

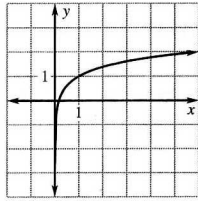
<p>24. </p> <p>$y = 0$</p>	<p>1) 148.413 2) 0.717 3) 0.247 4) 4.113 5) exponential growth 6) exponential decay 7) exponential decay 8) exponential growth 9) exponential decay 10) exponential growth 11) $\frac{1}{e^8}$</p>	<p>13) $\frac{2}{e}$ 15) $-12e^3$ 17) $8e^{2x}$ 19) $\frac{1}{e^x}$ 30) \$1972.34 31) \$1978.47</p>
<p>26. </p> <p>$y = 2$</p>	<p>27. </p> <p>$y = 1$</p>	

Section 8.4 (#1-9 odd, 10-14, 16, 17, 20, 21, 22-24)

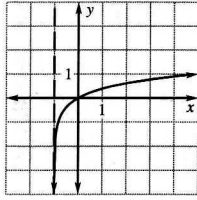
22.



23.



24.



1) $4^2 = 16$

3) $2^0 = 1$

5) $5^{-1} = \frac{1}{5}$

7) 0.549

9) -0.405

10) 3

11) 0

12) -1

13) $\frac{1}{3}$

14) $\frac{2}{3}$

16) $f^{-1}(x) = 3^x$

17) $f^{-1}(x) = e^x$

20) $f^{-1}(x) = 2^x + 1$

21) $f^{-1}(x) = \frac{x}{2}$