

Day	Date	Topic	Text Reference	Exercise
40	Thurs. Nov. 1	5.1 Graphs of Reciprocal Functions	pg 254	#1, 6, 7, 8cf, 11, 12**. Challenge! #15 ** <i>incorrect answer in text for 12e)</i> <i>It should be:</i> $D : \{t \in R \mid 0 \leq t \leq 10000\}$ $R : \{b \in W \mid 1 \leq b \leq 10000\}$
41	Fri. Nov. 2	5.2 Exploring Quotients of Polynomial Functions	pg 258 pg 262	(Explore: A – N) #1, 2*, 3 * <i>find the <u>equation</u> of the horizontal asymptotes, too. Also, in 2i) the answer is wrong for the HA; it should be $y=2$. Also, in 3c) their answer is invalid.</i>
42	Mon. Nov. 5	5.3 Graphs of Rational Functions	pg 272	#1, 5ad, 6, 8*, 9, 10**. Challenge! pg 274 #12, 13, 14*** <i>Answers that need to be corrected in the text:</i> 8* $f(x)$ has a VA at $x=1$; $g(x)$ has a HA at $y=0.5$. Also, $f(x)$ has a HA at $y=3$; $g(x)$ has a VA at $x=-1.5$ 10** <i>The concentration increases over the 24 h period and approaches approx. 1.85 mg/L</i> 14*** a) $f(x)$ and $m(x)$ b) $g(x)$
43	Tues. Nov. 6	(QUIZ) 5.4 Solving Rational Equations	pg 285	#3b, 4b (do not "verify"), 5c, 6abc, **9, 11 (see Example 4), **12. <i>Challenge! #16* use desmos.</i> <i>Answer for #16a) should be: at 0.417 sec and 1.705 sec.</i> <i>**final answers must be expressed in simplified exact form.</i>
44	Wed. Nov. 7	5.5 Solving Rational Inequalities	pg 295	#1*, 4**bf, 9@, 11*** * <i>the answer for 1a is wrong;</i> ** <i>no verification required;</i> @ <i>Change $t>0$ in the question to $t \geq 0$. The final answer is $[0, 0.31)$;</i> ***11) <i>the final answer is:</i> $1 < x < 5$. Challenge! #13, 15
45	Thurs. Nov. 8	5.6 Rates of Change in Rational Functions	pg 304	Worksheet #1a, 6*a, 12. Challenge! #13. *answers in the text are wrong: 6a) $m = 15/49$ and VA $x = -1.5$
46	Fri. Nov. 9 (Assembly Day)	Modelling AND "Learning without Consequences"		Worksheet (all)

47	Mon. Nov. 12	Review Day 1	pg 308	<p>Page 308 #1b*, 2a, 3%, 5\$ad, 7**b, 9&, 10**bd, 12a***; + Page 310 SELF TEST^^ ^^Self Test #3 H.A. $y=2$ ^^#5b $(-10, -5.5) \cup (-5, 1.2)$</p> <p>* = correct part of the answer in the back of text: $R: \{y \in \mathbb{R} \mid y \geq -10.125\}$ Decreasing on $(-\infty, -1.75)$; Increasing on $(-1.75, \infty)$. Also, create a GRAPH.</p> <p>% = correct the answers in the back: 3a) there is a HA $y=0$ 3c) there is a HA $y=0$ 3d) there is an OA but you do not need to find its equation</p> <p>\$ = Create a GRAPH. Also, for 5a) there is no x-intercept.</p> <p>**= do not verify with desmos</p> <p>& = A ROUNDED ANSWER IS ACCEPTABLE</p> <p>***= a full algebraic solution is expected using "first principles"</p>
48	Tues. Nov. 13	Review Day 2		
49	Wed. Nov. 14	UNIT 5 SUMMATIVE		
50	Thurs. Nov. 15	Begin Unit 6: Trigonometric Functions 6.1 Radian Measure	pg 320	#1aceg, 2aceg, 3bc, 4bc, 5, 7ab, 8ab, 9ac, 11, 12, 13. Challenge! #10, 16* *the answer for 16 should be about 86.81 radians per second (please change this in the back of the text)
	Fri. Nov. 16	☺ P.D. Day ☺		