

# Weeks 4 – 5 Math Homework

## Prescribed approach

1. Watch the lecture videos with accompanying handouts
2. Memorize the weeks 1 – 4 flash cards
3. Do these problems without book, notes, or clock. You may skip the hard problems unless you are getting ready to crack 160.
4. Look up your answers
5. Revisit the problems you missed, this time with book, notes, internet, etc.
6. Bring lingering questions to class

### Chapter 5

(Difficulty levels are my own assessment)

Page	#	Subject	Format	Difficulty	Topic
115	1	Arith	QC	M	Primes
118	6	Alg	QC	M	Evaluating / solving
120	9	Alg	QC	E	Solving inequality
122	1	Alg	MC1	E	Solve equation
124	4	Arith	MC1	M	Modeling / estimating
126	1	Arith	MC1+	H	Negative exponents
131	5	Alg	NE	M	Plugging in

### Chapter 6

(Difficulty levels are given by ETS)

Page	#	Subject	Format	Difficulty	Topic
156	5	Arith	QC	E	Integers / evaluating
157	6	Alg	QC	E	Slope
158	9	Alg	MC1	E	Substitution
160	1	Alg	QC	M	Plugging in
161	4	Alg	QC	M	Signed number arith
163	12	Alg	MC1	M	Lines / slope / midpoint
164	14	Alg	MC1+	M	Signed numbers
166	6	Arith	QC	H	Reading / counting
167	8	Alg	MC1	H	Inequality
171	1	Data	MC1	M	Graph / ratio

**Chapter 7**

(Difficulty levels are my own assessment)

Page	#	Subject	Format	Difficulty	Topic
232	1	Arith	NE	M	Calculations / OOO
232	2	Arith	NE	M	Fractions
232	6	Arith	NE	E	Primes
232	8 (a, b, c, d, e, f, h, j, l)	Arith	NE	M	Powers, roots, fractions, signs
233	13	Arith	NE	M	Ratio with total
261	1	Alg	NE	M	Translating
261	2 (a, b)	Alg	NE	M	Simplifying
261	6 (a – c)	Alg	NE	E	Linear equations
262	10	Alg	NE	M	Ratio / proportion

**Chs. 8 – 9**

(Difficulty levels indicated in book)

p. 354, #'s 2, 3, 5, 10, 14 \*

p. 362, #'s 4, 8, 14

p. 484, #'s 13, 15

\* I recorded [video solutions for simulacra to these five problems](#). If you would like to look at my solutions after your first attempt, click on the link or search for the individual problems in the [Nth Degree Tutoring YouTube channel's](#) search bar (magnifying glass). Enter the term “simulacrum” along with the page number and question number.

Example of YouTube query: “GRE math simulacrum page 354 number 2”