# Weeks 5-6: Geometry / Data Homework 

## Untimed Exercises

## Chapter 5

(Difficulty levels are my own assessment)

| Page | $\#$ | Subject | Format | Difficulty | Topic |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 116 | 4 | Geo | QC | M | Sense of scale in drawings |
| 130 | 2 | Geo | NE | E | Perimeter / ratio |
| 130 | 3 | Data | NE | E | Mean / reading |

## Chapter 7

(Difficulty levels are my own assessment)

| Page | \# | Subject | Format | Difficulty | Topic |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 262 | $17(\mathrm{a}, \mathrm{b}, \mathrm{c})$ | Geo | NE | E | Pythagorean Theorem, area of triangle |
| 281 | 10 | Geo | NE | M | Lengths / areas / reading |
| 283 | 13 | Geo | NE | E | Area of circle |
| 320 | 1 | Data | NE | E | Measures; adjusting data |
| 320 | 3 | Data | NE | M | Mean / median of mixed sets |
| 320 | 4 | Data | NE | M | Mean / median of freq dist |

Ch. 8
(Difficulty levels are given by ETS)

| Page | $\#$ | Subject | Format | Difficulty | Topic |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 156 | 2 | Geo | QC | E | Area of triangle / rectangle |
| 157 | 7 | Geo | MC1 | E | Angles of triangle |
| 159 | 12 | Geo | MC1 | E | Pythag / area |
| 160 | 2 | Data | QC | M | Mean / median |
| 163 | 11 | Geo | MC1 | M | Compound area |
| 173 | 5 | Data | MC1 | M | Graph / mean |
| 354 | $1^{*}$ | Geo | QC | E | Pythag |
| 359 | $20^{*}$ | Data | MC1 | E | Graph / range |
| 359 | $21^{*}$ | Data | MC1 | E | Graph |
| 362 | 1 | Arith / data | QC | E | Rates |
| 362 | 3 | Geo | QC | M | Chords of circle / mean as midpoint |

* If you get stuck on these problems, you can view my solutions at the GRE Math Test Simulacra Playlist.


## Optional hard problems

| Page | \# | Subject | Format | Difficulty | Topic |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 165 | 2 | Data | QC | H | Skew principle |
| 166 | 4 | Geo | QC | H | Area / \% change |
| 169 | 13 | Data | NE | H | Mean of freq dist |
| 170 | 15 | Data | MC1+ | H | Range / data sufficiency |
| 173 | 7 | Data | MC1 | H | Mean |
| 363 | 9 | Data | QC | H | Median |
| 368 | 23 | Geo | MC1 | H | Compound area |
| 368 | 25 | Geo | MC1 | H | Areas / perimeters |

