

## Algebra I Mid-Term Review Problems

Chapter 2 – pg. 703 #1-46

Chapter 3 – pg. 704 #1-44, 49, and 50

Chapter 4 – pg. 705 #1-12 and 16-27

Chapter 5 – pg. 706 #5-13 and 18-25.

Chapter 6 – pg. 707 #1-44 and 46-53

### Chapter 2 (18 questions)

2.1 (pg. 78) - #21, 31, 34

2.3 (pg. 91) - #18, 19

2.4 (pg. 98-99) - #3, 16, 24-27

2.5 (pg. 107) - #1, 4, 8, 9

2.6 (pg. 113-114) - #15, 20, 31

> solving equations

$d = rt$  + perimeter problems

solving formulas for a particular variable

### Chapter 3 (37 questions)

3.1 (pg. 137) - #27-33

3.2 (pg. 142-143) - #4, 5, 23, 24

3.3 (pg. 149) - #~~29-30~~

3.4 (pg. 155-156) - #1, 19, 36, 37

3.5 (pg. 163-164) - #1, 2, 9, 12, 18-21, 24, 25

3.6 (pg. 169-170) - #5, 6, 8, 10-12, 25, 26, ~~30~~

> inequalities

- compound inequalities

- absolute value equations/inequalities

### Chapter 4 (16 questions)

4.1 (pg. 186) - #35-37 proportions

4.3 (pg. 200-201) - #1-11 odd, 19-25 odd, 33-37 odd % equation

### Chapter 5 (16 questions)

5.2 (pg. 244) - #1-3, 17, 22 domain/range

5.3 (pg. 249-250) - #6, 9, 16, 18, 21 parent functions

5.4 (pg. 256-258) - #1-3, 17, 30, 34 write a function rule

### Chapter 6 (37 questions)

6.1 (pg. 286-287) - #1-4, 7, 8, 22, 23 slope

6.2 (pg. 294) - #22, 23, 28, 37, 40, 43, 45  $y = mx + b$

6.3 (pg. 301) - #3, 6, 9, 23, 24, 36  $Ax + By = C$

6.4 (pg. 307) - #3, 6, 9, 12, 15  $y - y_1 = m(x - x_1)$

6.5 (pg. 314) - #15, 25, 26, 33, 39, 41  $\parallel$  +  $\perp$

6.7 (pg. 327-328) - #4, 5, 16, 17, 28 absolute value + translating