

Algebra 1 semester 1 written final review Answers

1. a. $x + 285 \geq 500$
 $x \geq 215$, You have at least 215 words left to write.
- b. yes. You will have 675 words if you add paragraphs of 170 and 220.

2. a. Let $r = \#$ of hours at restaurant
Let $l = \#$ of hours at landscaping
$$5r + 2l = 95$$
$$r + l = 15$$
- b. 5 hours at the restaurant
10 hours at the landscaping business
- c. You will earn \$91
- d. schedule b is better because you make more at the landscaping job.

3. a. $m = 2/4 = 1/2$

b. $-2 - y = 1/2(-2 - x)$

c. $y = 1/2 x - 1$

d. $y = 1/2 x + 0$

the slopes are the same

e. $y = -2x + 5$

slopes are opposite and reciprocal