

Algebra Chapter 7 Answers

1.
 - a.) 0
 - b.) $.65/60 \approx .01$
 - c.) $.25/20 = .0125$
 - d.) $.25/10 = .025$
2.
 - a.) C
 - b.) A
 - c.) B
 - d.) D
3.
 - a.) $-3/2$
 - b.) 6
4. The line should be going through the y-axis at 2 and up to the left with a slope of $-1/2$.
5. $y = -2x + 16$
6. $y = 1/2 x + 4$
7. $2x - 3y = -15$ if the teacher makes you make the A value positive in $Ax + By = C$, like I do, the solution is $2x - 3y = -15$.
If the teacher doesn't, the solution you probably got was $-2x + 3y = 15$.
8. This should be a horizontal line going through (2, 1) and all other y values at 1.
9. $7/35 = 1/5$
10. $y = -2x + 22$
11. $T = .36m + 1.24$
12. $9x + -15y = -10$ OR $-9x + 15y = -10$ (see note on number 7)
13. $.25c + .30v \leq 8$

14. See me if you want a picture. I will eventually scan one in, but not until my scanner is fixed.
15. $(-3, 4)$
16. $y = -\frac{1}{2}x + 2$
17. $5x + 10y = 40$
18. a.) 25
b.) 3
19. $(5, 13)$
20. 4th quadrant