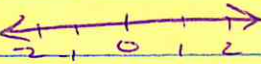
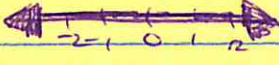
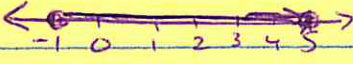
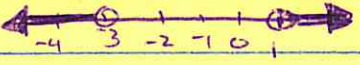


1. $U = \frac{IE}{2}$ 2. $y = \frac{1}{3}$ 3. $y = -\frac{24}{5}$ 4. 6cm, 8cm, 10cm

5. $K \leq 4$ $(-\infty, 4]$  6. $K \geq 6$ $[6, \infty)$ 

7. $25 < 10$ False, no sol'n  8. $21 \geq 3$ True all real sol'n $(-\infty, \infty)$ 

9. $-1 \leq x \leq 5$ $[-1, 5]$ 

10. $X < -3$ or $X > 1$ $(-\infty, -3)$  $U(1, \infty)$ 11. $y = -4x + 12$  *Need graph

12. $m = \frac{2}{9}$ 13. $S = 230T - 200$ 14. $h(t) = 66t + 176$

15. D $\{-1, -\frac{1}{2}, \frac{3}{2}, 2\}$
R $\{-1, 0, \frac{1}{2}, \frac{3}{2}\}$
*Need graph

16. Parent $y = x$
a) Translation 1 Up
b) *Need graph

17. $y = \frac{5}{8}x - 19$
18. $y = -|x - 3|$

19. $y = |x - 12| + 4$

20. $(-2, -1)$
*Need graph

21. No Sol'n
*Need graph

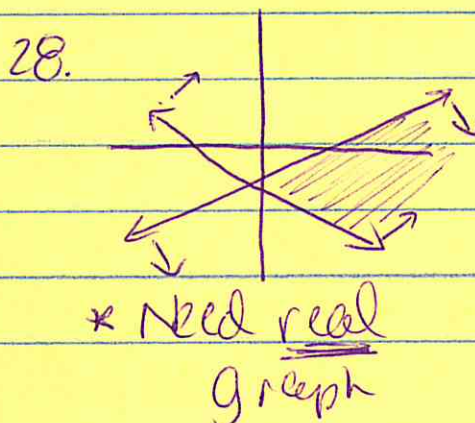
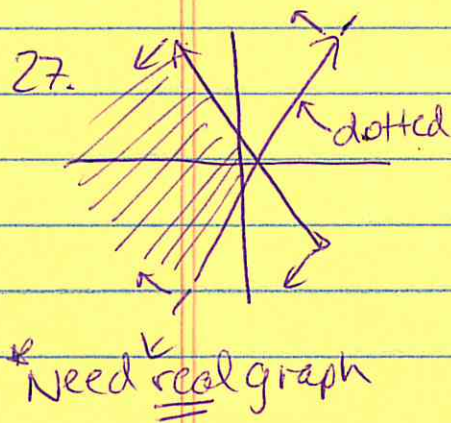
22. $C = 26 + 2.75d$
a) $C = 17.25 + 4d$
b) 7 days

23. $(-2, -5)$

24. $(0, -3)$

25. No Sol'n

26. Infinitely many sol'n's



29. $x = \# \text{ vanilla cakes}$
 $y = \# \text{ chocolate cakes}$
 $x \geq 0$
 $y \geq 0$
 $x + y \leq 25$
 $y \leq 10$
*Need Graph