

1)  $t = 4.5$

2)  $t = -4$

3)  $f = \frac{109}{7}$

4)  $x \geq 8$

5)  $x < -8$

6)  $x < 8$

7a) #6

7b) #4

7c) #5

8)  $2n - n = 24$  so  $n = 24$

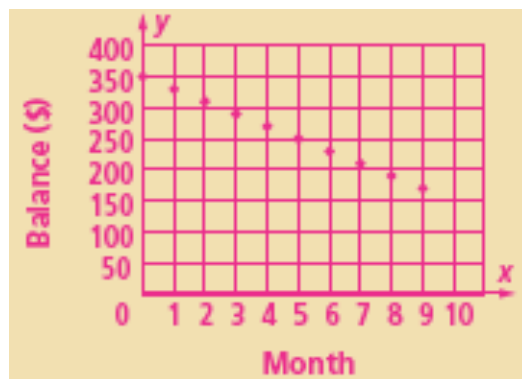
9) Let  $x$  be the value of the winners' prize, so grand prize is worth  $2x$ .  $x+x+x+2x=3500$ .  
 $x=700$  so grand price is \$1,400.

10) Subtract 7 from both sides, Divide both sides by  $-2$ ,  $x = 11$ . Check works.

Months	Money in account
0	\$350
1	\$330
2	\$310
3	\$290
8	\$190

11)

All except 15



12)

13) After 8 months

$x$	$2x - 6$
12	18
14	22
16	26
18	30
20	34

14)

16) Let  $w$  be the number of weekends Toni collects. Toni has enough leaves when  $9 + 7w \geq 37$ . Subtracting 9 and dividing by 7 gives  $w \geq 4$ . So she must collect for at least 4 weeks.

17a)  $P = .39 + .24(w - 1)$

17b) Substitute 3.27 in the equation for  $P$  and solve.

$w = 13$  oz)