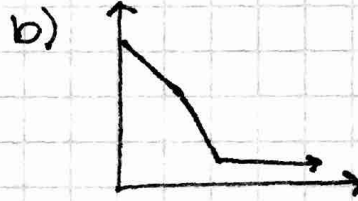
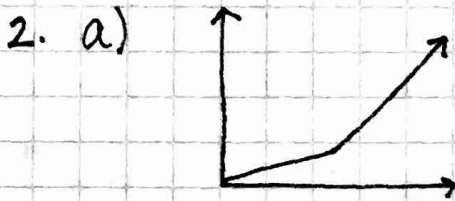


HW 15

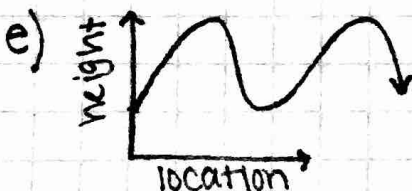
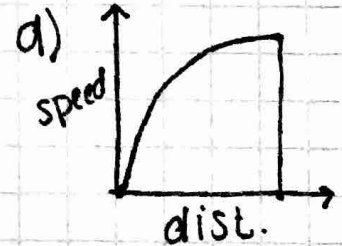
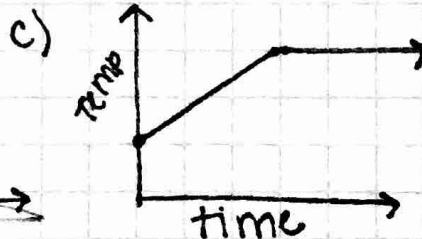
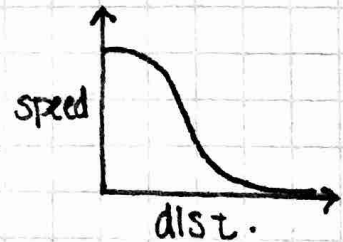
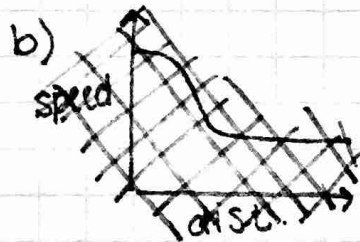
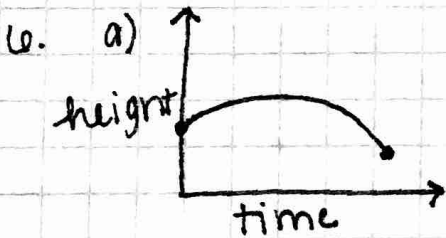
~~P185~~ P187 #1-4, 6, 10, 11

1. a) A b) ~~B~~ C c) D d) B



3. a) decrease rapidly, constant, increase rapidly
 b) decreasing & increasing without drastic change
 c) increase rapidly then sudden rapid decrease, a sudden stop, then rapid decrease.

4. a) could be a ball kicked up into the air then it lands
 b) seconds & feet
 c) Dist. D: 0 to 60 sec, R: 0 to 100 ft.
 d) no unnecessary

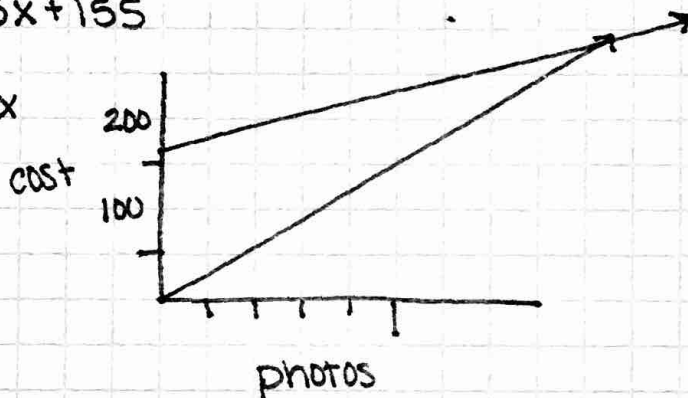


10. a) $y = -0.12x + 1.7$
 $x \rightarrow$ knots
 $y \rightarrow$ length

b) $y = 9.50x + 7$
 $x > 8$
 $x \rightarrow$ CDs
 $y \rightarrow$ total

11. a) $y = 15x + 155$

b) $y = 27x$



c) find the intersection

$$27x = 15x + 155$$

$$12x = 155$$

$$x = 12.91\bar{6}$$

13 pictures before a profit is made

d) The cost is

$$y = 15(8) + 155 = 275$$

the profit is 210

$$y = 27(8) = 216$$

The cost is more than the profit, he is not making money.