

# Last Day Main Ideas

①  $I(c)$  tells income based on cars sold.  
What does  $I(20) = 10,000$  mean?

②  $y = 20x + 10$  tells money made mowing lawns.

Match: lawns, money, fee, cost per lawn. Family? Shape?

③  $y = -16x^2 + 60x + 4$  Family? Shape? Roots? Vertex? starting value?

④  $y = 300(1.08)^x$  Family? Shape? start? Rate

⑤ Ave. Rate of Change  $(1, 7)$  to  $(3, 1)$   
x units: seconds  
y units: feet

⑥ Is  $(3, 9)$  on the graph of  $y = 4x - 3$ ?

⑦ Are  $y = (x+2)(x-4)$  and  $y = x^2 - 2x - 8$  equivalent?

	Red	Green	Blue
Boy	4	7	2
Girl	3	8	4

Prob. of person who likes Blue?

Prob of Girl given she likes Red?

⑨ Solve for a  $4a + y = 2(a - 3y)$