

HALG 2

Ch 3 Review p. 164 (cont)

14. l = # of lg. pizzas

s = # of sm. pizzas

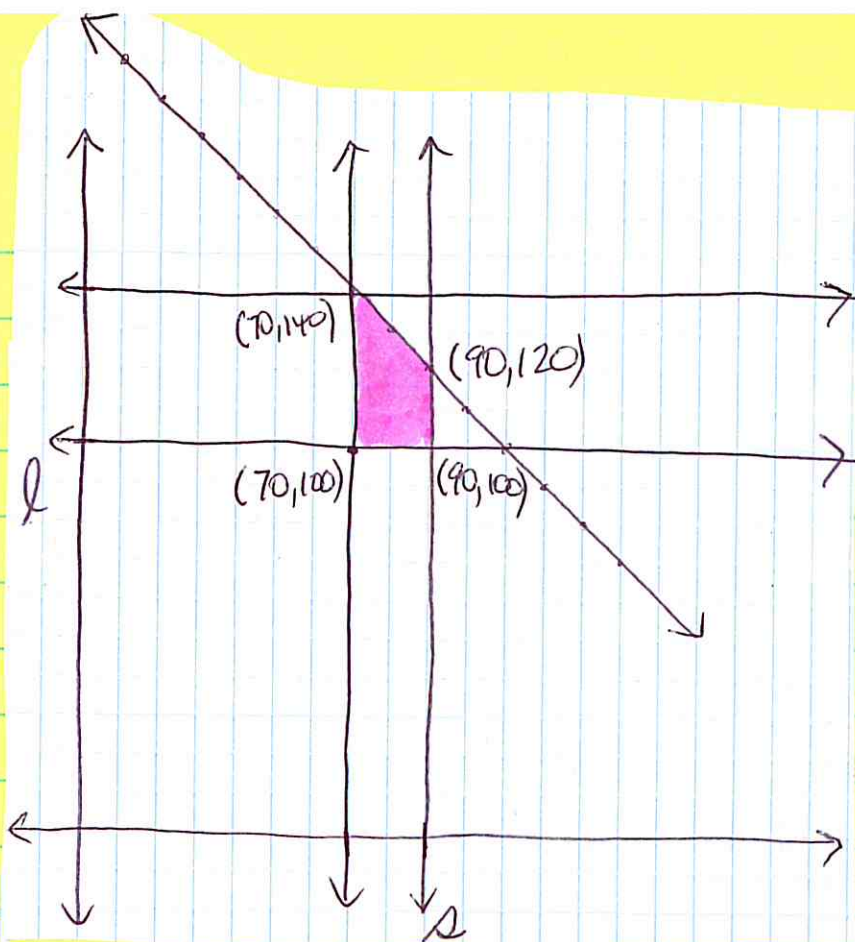
$$70 \leq s \leq 90$$

$$100 \leq l \leq 140$$

$$s + l \leq 210$$

Obj Fun: $P = 1.5s + 2.15l$

Max profit occurs at
70 small + 140 large
pizzas.



26. b = # of balloons $.06b + .48f + .08s = 24$
 s = # of streamers
 f = # of party favors (no graph)

Skip 26-29

27. $(1, 3, 2)$

28. $(2, -1, 5)$

29. x = \$ in growth fund

y = \$ in income fund

z = \$ in money mkt fund

$$x + y + z = 50000$$

$$1.12x + 1.08y + 1.05z = 54500$$

$$y = 2z$$

The company invested \$20,000 in the growth fund,
\$20,000 in the income fund + \$10,000 in the money market
fund.

30. s = sales in \$

p = pay in \$

RadioBarn $p = .15s + 200$

Wooten, etc $p = .10s + 300$

When sales equal \$2000,
both jobs pay the same.