

PAINA LINDY

pg. 217 27, 29, 30, 31, 32, 35

27. A - \$.20 per minute + Monthly Fee \$10

B - unlimited minutes + monthly fee \$100

$$(A) A(x) = 10 + .20x \quad \frac{10 + .20x}{-10} = \frac{100}{-10}$$

$$(B) B(x) = 100$$

$$\frac{.2x}{.2} = \frac{90}{.2}$$

$$(C) x = 450 \text{ minutes}$$

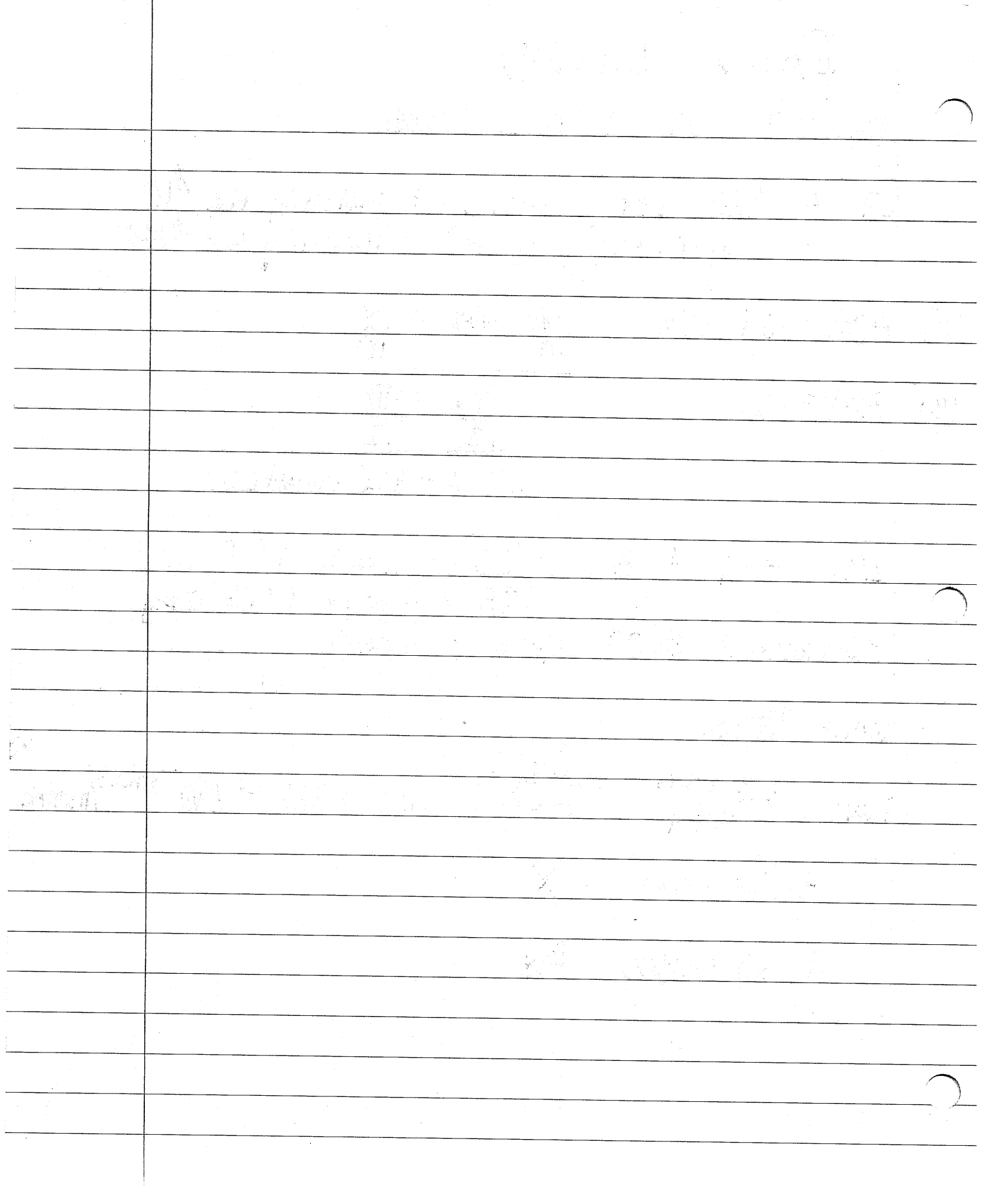
29. Buy - \$5800 + \$25 a month + \$.3 copy
\$95 a month + \$.6 copy
estimated 8000 copies a month

want $\frac{\text{dollars}}{\text{month}}$ $5800 + (25 + (.3 \cdot 8000))$

have $\frac{.03 \text{ dollars}}{\text{copy}} \frac{8000 \text{ copies}}{\text{month}} = .03 \cdot 8000 = \$240 \text{ dollars/month}$

$$B(x) = 5800 + 240x$$

$$R(x) = 4800 + 95x$$



p. 217 # 27, 29, 30, 31, 32, 35

Lauren, Olivia

$$27) A(x) = mx + b$$

initial cost is \$10

~~$$A(x) = .20x + 10$$~~

$$A(x) = .2x + 10$$

$$B(x) = 100$$

$$b) g(x) = 100$$

$$c) 100 = .2x + 10$$

$$90 = .2x$$

$$x = 450 \text{ min}$$

$$29) a) A(x) = mx + b$$

~~$$A(x) = .03x +$$~~

$$A(x) = 6040 + 25x$$

$$b) B(x) =$$

1/10/10

1/10/10

$$d = m(x)A \quad (20)$$

$$d = m(x)A$$

~~1/10/10~~

$$d = m(x)A$$

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$$d = m(x)A$$

$$d = m(x)A$$

$$d = m(x)A \quad (20) \quad (25)$$

~~1/10/10~~

$$d = m(x)A$$

$$d = m(x)A$$

p. 217

27. a) $f(x) = 10 + .20x$

b) $f(x) = 100$

c) $g(x) = 450$ minutes

29. a) $C(x) = 6040 + 25x$

b) $C(x) = 95x + 480$

c)

year	Buy #	Rent #
1	6340	1620
1.5	6490	2190
2	6640	2760
2.5	6790	3330
3	6940	3900

d) $6\frac{1}{2}$ years, 60 months

10/28/18
2018

10/28/18	10/28/18	10/28/18	10/28/18
10/28/18	10/28/18	10/28/18	10/28/18
10/28/18	10/28/18	10/28/18	10/28/18
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10/28/18

Jerry Lunning, Mark Keese p. 217 #27, 29, 30, 31, 32, 35

27) a) $f(x) = 10 + .2x$

b) $g(x) = 100$

c) $100 = 10 + .2x$

$90 = .2x$

450 minutes

29) a) $C(x) = 5800 + 265x$

b) $S(x) = 575x$

Months	buy ^{cost}	rent cost
12	8,980	6,900
18	10,570	10,350
24	12,160	13,800
30	13,750	17,250
36	15,340	20,700

d) $5800 + 265x = 575x$

$5800 = 310x$

$x = 18.71$ months

30) a) $C(x) = 8000 + 22x$

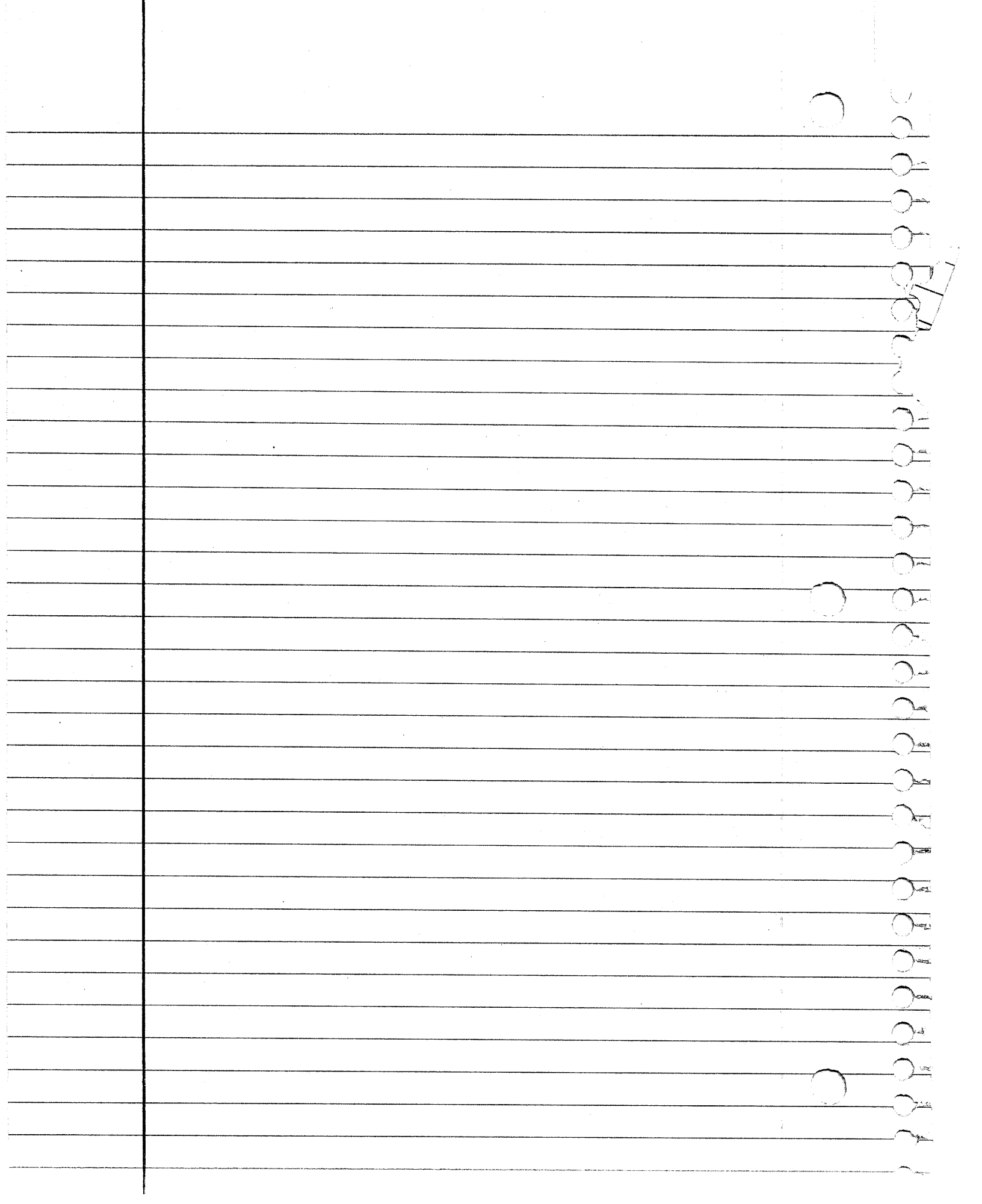
b) $A(x) = 49x$

c) $P(x) = 27x - 8000$

d) $8000 + 22x = 49x$

$8000 = 27x$

$x = 296.30$ fires



Hannah & Trace

27. a.) $f(x) = 10 + .2x$
b.) $g(x) = 100$
c.) 490 minutes

29. a.) $C(x) = 5800 + 265x$
b.) $S(x) = 975x$
c.)

