Section 1: RATION & PROPORTION (PART I) p 292

Lesson 2

(A) (Practice 2)

	Base	part	rate
1	$1000	$200	20%
2	80	72	90%
3	~~$8,740~~ $3,700	$2740	20%
4	~~$200~~	$500	25%
5	40	60	150%

(B)
11 → A
12 → D

Lesson 3

(Practice 3.1)

(A)
1 → 5
2 → 180
3 → 140
4 → 95%
5 → 25%

(B)
18 → B
19 → D
21 → A

(Practice 3.2)

(A)
1 → $175
2 → $0.7
3 → 6.4
4 → 200
5 → 30

(B)
20 → A
21 → B

Lesson 6

Practice 6

(A)

1 → 50%
2 → ~~0.44~~ 38%
3 → 100%
4 → 45%
5 → 25%

(B)

14 → C
15 → B

Section

Lesson 1

Practice 1.1

(A)

1 → $x - 7$
2 → $3x^2 + x$
3 → $8x - 10$
4 → $-3x - 24$
5 → ~~$\frac{10}{2x}$~~ $- 5$

6 → $-8 + 7x$
7 → $16x + (x-3) \cdot 4$
8 → $(x^2 + x)^4$
9 → $x^2 + 4/7$
10 → $(\sqrt{x} + 15) - 6$

(B)

21 → B

~~Practice 1.2~~

Practice 1.2

(A)

1 → $2 + x^2 + 3x$
2 → $19y + 13$
3 → $-3x + 54$
4 → $6x^3 + 4 + 31x^2$
5 → $74 + 14$

(C)

23 → D

Lesson 3 Practice 3

(A)

1 → monomial
2 → monomial
3 → Binomial
4 → Trinomial
5 → Binomial
6 → Trinomial

7 → mono
8 → mono
9 → mono
10 → mono

- Coefficients → C ; Variable → V
  Exponents → E
  constant → CS

(B)

	C	V	E	CS
16 →				21 →
17 →				22 →
18 →				23 →
19 →				24 →
20 →				

(4) (B)

	coefficient	variable	Exponents	constant
16	3, (-2)	x	2, 4	3
17	12	a, b, c	2, 1, 1	–
18	3, (-4)	g, h	1, 1	–
19	1	x, y	2, 1	–
20	-4, -3, 1	a, b, c	1, 2, 1	–
21	–	–	–	25
22	4, 3	x	2, 1	-7
23	3/8	x	1	–
24	–	–	–	$\sqrt{25}$

(C)

31 → B
32 → B

Lesson 4

Practice 4.

(A)

1 → like
2 → like
3 → unlike
4 → unlike
5 → like
6 → unlike
7 → like
8 → like
9 → unlike
10 → unlike

Lesson 5

Practice 5

(A)

1 → $5x+6$
2 → $3y+6$
3 → $8x^2-5x+2$
4 → $15a^2+8a$
5 → $11x^2+2x+3$

Lesson 6

Practice 6

(A)

1 → $30x^2$
2 → $6xy^2$
3 → $28ab^2c^2$
4 → $12yz$

(B)

9 → $18xyz^2+12z^3$
10 → $42x^2-36xz$
11 → $-15ab^2-55abc$
12 → $-18f^3h+24f^4gh^2$

(C)

17 → x^2-x-30

18 → $x^2+2xy+y^2$

(D)

25 → A

Lesson 7

Practice 7

(A)

1 → 4 + 15
2 → x + 3
3 → x + 5
4 → a + b
5 → x^2 + 2x

(B)

13 → 6x + 2
14 → 5x + 3
15 → 8y + 2
16 → 6y + 7
17 → 24 + 2

Section 3: Functions (P 374)

Lesson 1: Practice 1.1

(A)

1 → x = 9
2 → m = 28
3 → y = -1
4 → x = -64
5 → a = 124
6 → y = 23
7 → x = 27
8 → c = 7
9 → x = -4
10 → b = -7

Practice 1.2

(A)

1 → x = 50
2 → y = -2
3 → m = 2
4 → x = -4
5 → y = 6

Lesson 2

(A)

1 → 1700
2 → 10
3 → 24
4 → 50

5 → 8

Lesson 3

(A)

1 → C
2 → C
3 → C
4 → B

5 → 13

Lesson 4:

(A)

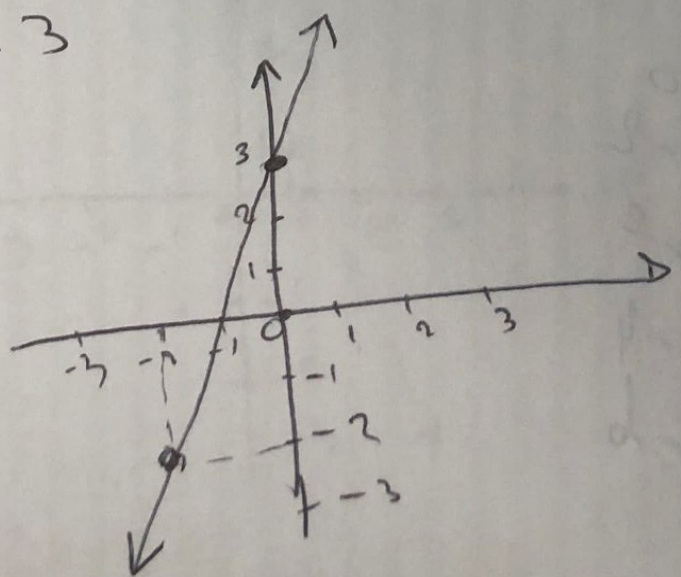
1 → A(-4, 5)
2 → B(3, 6)
3 → C(0, -3)
4 → D(6, -7)
5 → E(-5, 0)

6 → F(-6, -4)
7 → G(2, 0)
8 → H(7, -2)

Lesson 5:

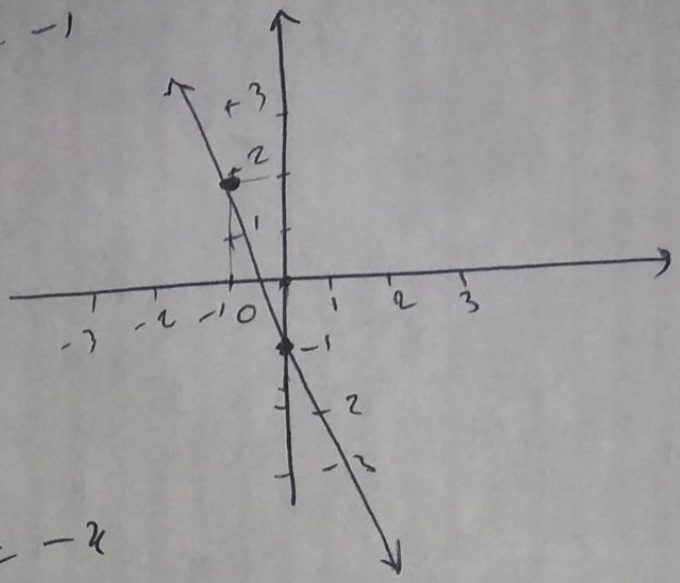
(A) $y = \frac{1}{2}x + 3$

x	y
-2	2
0	3
2	4



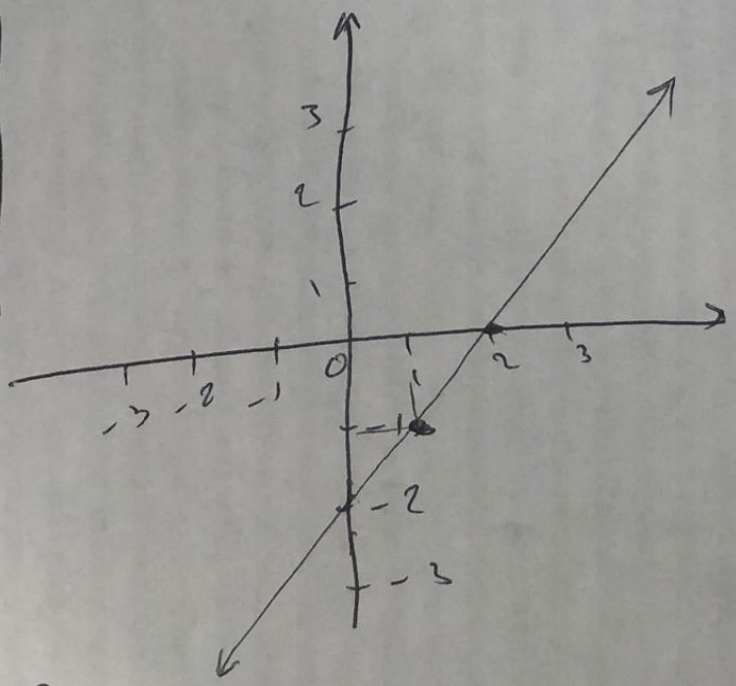
2 → $y + 3x = -1$

x	y
-1	2
0	-1
1	-2



3 → $-2 - y = -x$

x	y
1	-1
2	0
3	1



4 → $y = 3 - 2x$

x	y
0	3
1	1
2	-1