Name:	Class:	Date:

Joint Variation

_____1. Which of the following shows the correct joint variation for the table?

j	h	а	
-4	5	160	
-2	6	96	
-3	5	120	
-4	4	128	
a. $a = -$ b. $h = -$ c. $j = -$	–8ja		d. $j = -8ha$ e. $h = -9ja$ f. $a = -9jh$

2. Which of the following shows the correct joint variation for the table?

	1	1	
r	и	b	1 WI
-2	1	-10	· · · · · · · · · ·
-3	2	-30	6. 100(0)
-2	3	-30	. 60
-1	2	-10	
a. $u = 0$ b. $r = 5$ c. $r = 6$	Sub	63	d. $b = 6ru$ e. $u = 5rb$ f. $b = 5ru$

3. What is the value for *k* in the equation z = kac?

a	с	Z
4	4	144
6	5	270
5	6	270
6	5	270

- 4. In the equation z = kxy, x = -8, k = 7, and z = 224. If y remains the same, what is the value of z when x is -7?
- 5. In the equation z = kxy, y = -2, z = -4, and x = 1. If z remains the same, what is the value of x when y is -5?

S	С	t
-3	1	-15
-5	2	-50
-4	1	-20
-2	0	0

6. Which of the following shows the correct joint variation for the table?

a.	c = 5st	d.	t = 5sc
b.	s = 6ct	e.	s = 5ct
c.	t = 6sc	f.	c = 6st

_ 7. Which of the following shows the correct joint variation for the table?

k	r	у
-1	-3	-6
-3	_4	-24
-1	-3	-6
0	-4	0

a.	y = -3kr	d.	y = -2kr
	r = -3ky		r = -2ky
c.	k = -2ry	f.	k = -3ry

8. What is the value for *k* in the equation c = kjq?

q	с	j
5	-80	_4
4	-32	-2
5	-80	-4
4	-96	-6

- 9. In the equation z = kxy, z = 56, y = 7, and k = 4. If z remains the same, what is the value of x when y is 4?
- 10. In the equation z = kxy, x = -9, k = -1, and z = -72. If z remains the same, what is the value of y when x is -12?

Joint Variation Answer Section

- 1. A
- 2. F
- 3. 9
- 4. 196
- 5. 3
- 6. D
- 7. D
- 8. 4
- 9. 1
- 10. -10

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