

Direct and Inverse Variation | Table

Determine whether each table represents a direct variation or an inverse variation or neither. Find the constant of variation (k).

1)

x	4	-12	7	-8
y	16	-48	28	-32

2)

x	44	-22	11	88
y	2	-4	8	1

3)

x	-64	16	8	32
y	-1	4	8	2

4)

x	18	12	21	27
y	6	4	7	9

5)

x	-8	-12	20	24
y	-6	-9	15	18

6)

x	14	33	24	-15
y	2	3	6	-5

7)

x	8	24	-12	36
y	9	3	-6	2

8)

x	-14	21	7	-42
y	-3	2	6	-1

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Answer key

Determine whether each table represents a direct variation or an inverse variation or neither. Find the constant of variation (k).

1)

x	4	-12	7	-8
y	16	-48	28	-32

Direct variation, $k = 4$

2)

x	44	-22	11	88
y	2	-4	8	1

Inverse variation, $k = 88$

3)

x	-64	16	8	32
y	-1	4	8	2

Inverse variation, $k = 64$

4)

x	18	12	21	27
y	6	4	7	9

Direct variation, $k = \frac{1}{3}$

5)

x	-8	-12	20	24
y	-6	-9	15	18

Direct variation, $k = \frac{3}{4}$

6)

x	14	33	24	-15
y	2	3	6	-5

Neither

7)

x	8	24	-12	36
y	9	3	-6	2

Inverse variation, $k = 72$

8)

x	-14	21	7	-42
y	-3	2	6	-1

Inverse variation, $k = 42$