

Name : _____

Direct and Inverse Variation - Table

Sheet 1

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

1)

x	5	-12	7	-8
y	25	-60	35	-40

2)

x	24	49	72	18
y	6	7	8	9

3)

x	-6	12	-8	-1
y	-4	2	-3	-24

4)

x	7	-13	-6	29
y	49	-91	-42	203

5)

x	3	4	-5	6
y	6	8	-10	12

6)

x	36	8	24	12
y	2	9	3	6

7)

x	-9	-18	-6	-12
y	-4	-2	-6	-3

8)

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

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	5	-12	7	-8
y	25	-60	35	-40

Direct variation, $k = 5$

2)

x	24	49	72	18
y	6	7	8	9

Neither

3)

x	-6	12	-8	-1
y	-4	2	-3	-24

Inverse variation, $k = 24$

4)

x	7	-13	-6	29
y	49	-91	-42	203

Direct variation, $k = 7$

5)

x	3	4	-5	6
y	6	8	-10	12

Direct variation, $k = 2$

6)

x	36	8	24	12
y	2	9	3	6

Inverse variation, $k = 72$

7)

x	-9	-18	-6	-12
y	-4	-2	-6	-3

Inverse variation, $k = 36$

8)

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

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