

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

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2)

$x$	24	49	72	18
$y$	6	7	8	9

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3)

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

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4)

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

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5)

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

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6)

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

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7)

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

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8)

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

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**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,  $k = \frac{3}{4}$**