

## Direct Variation Assignment

For the data in each table, tell whether  $y$  varies directly with  $x$ . If it does, write an equation for the direction equation.

1.

$x$	$y$
4	6
7	10.5
-2	-3

2.

$x$	$y$
6	-6.9
-10	-11.5
7	-8.05

Determine whether each equation represents a direct variation or not. If it does, find the constant of variation.

1.  $3y = 4x$

2.  $4x = 6y + 33$

3.  $3y - 7 = 2x - 7$

4.  $y - 12 = 12x$

## Direct Variation Assignment

Assume that  $y$  varies directly with  $x$ . Write an equation relating  $x$  and  $y$  in each case. Also find the value of  $y$  when  $x$  is 6.

1.  $y = 10$  when  $x = 5$

2.  $y = 6$  when  $x = 18$

3.  $y = -\frac{4}{5}$  when  $x = -4$