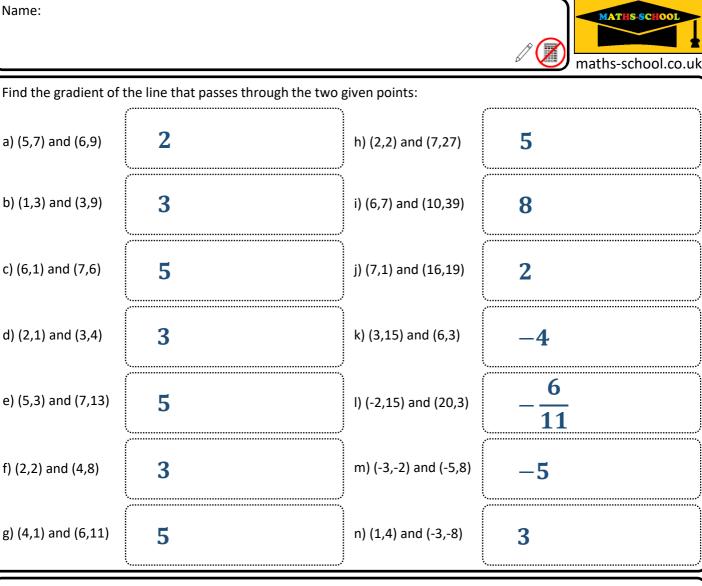
Gradient of a straight line graph with 2 co-ordinates

Name:



Write an expression for the gradient between the given points (leave your answers in the simplest form)

(x,2) and (5, 3x) $\frac{3x-2}{5-x}$	d) (1,2) and (x, 2x) $\frac{2x-2}{x-1} = 2$
$\frac{(b)(1,x)\text{and}(6x,11)}{6x-1}\frac{11-x}{6x-1}$	$\frac{5(4,10) \text{ and } (2x,5x)}{2x-4} = \frac{5}{2}$
c) (y, x) and $(5y, 4x)$ $\frac{3x}{4y}$	$\frac{f(5y,2x) \text{ and } (2y,5x)}{-\frac{x}{y}}$

ឤ **Exam question:**

The line AB passes through the points A = (2, -1) and B = (6, k). The gradient of AB is 4.

Work out the value of k.

k+1 = 16 k = 15

