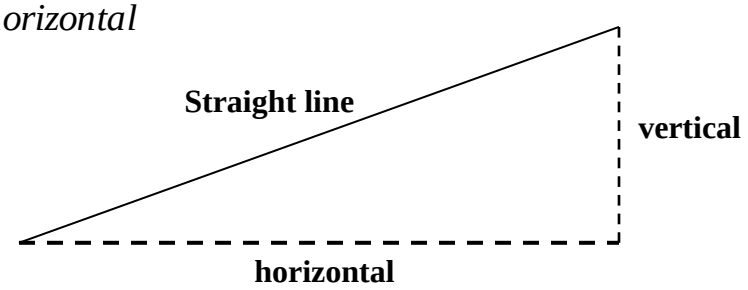
Gradients - A measure of steepness

Worksheet Edited By Mr R. Milton

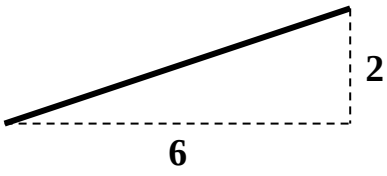
The diagram shows a straight line with the vertical/horizontal distances marked on it.
The definition of the gradient of a straight line is given by

$$m = gradient = \frac{vertical}{horizontal}$$



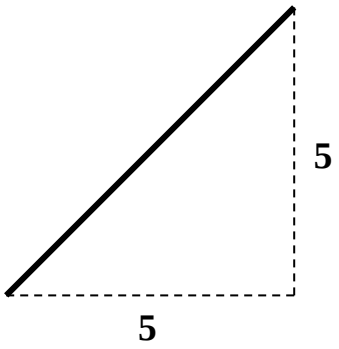
Calculate the gradient of each line shown.

1.



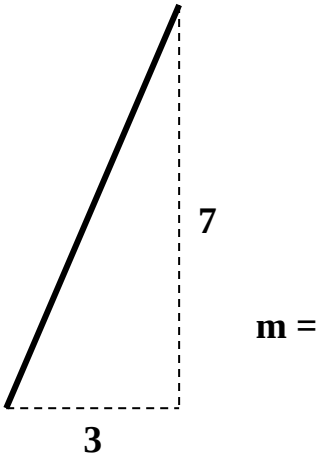
m =

2.



m =

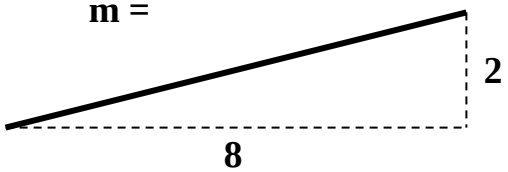
3.



m =

4.

m =



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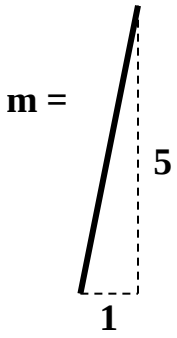

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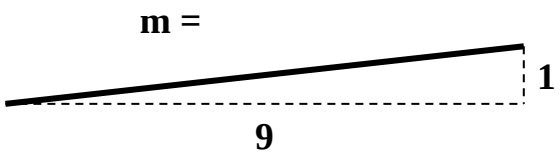

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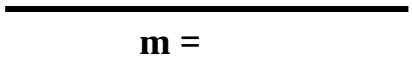

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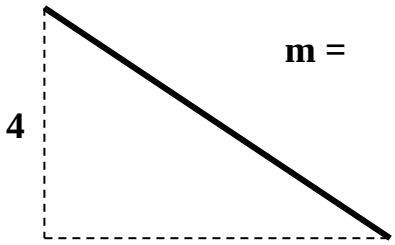

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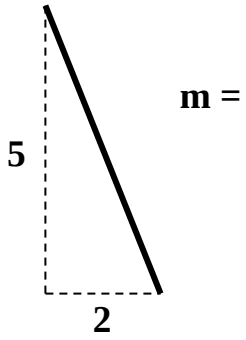

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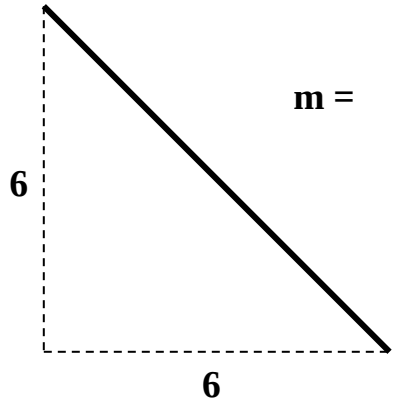

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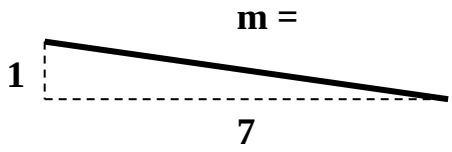

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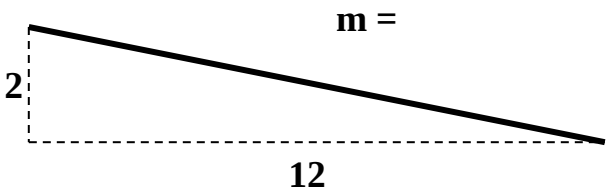
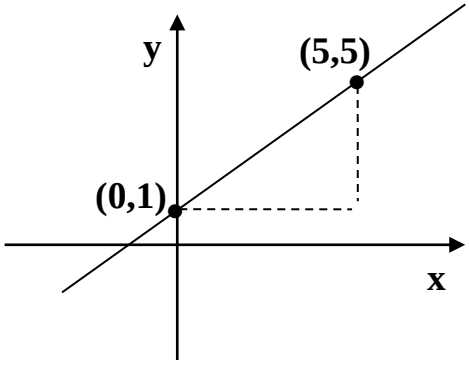


Making a triangle to find the Gradient

In each example make a small triangle like that shown in example 1, work out the vertical and the horizontal distances, then calculate the gradient of the line using

$$m = \frac{vertical}{horizontal}$$

1.



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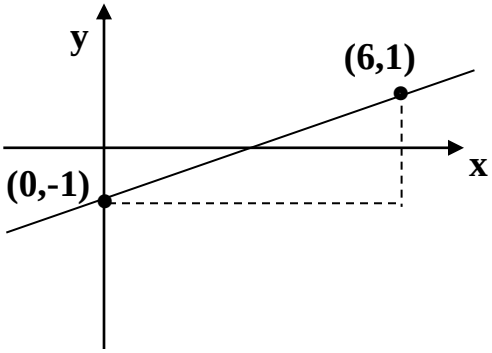

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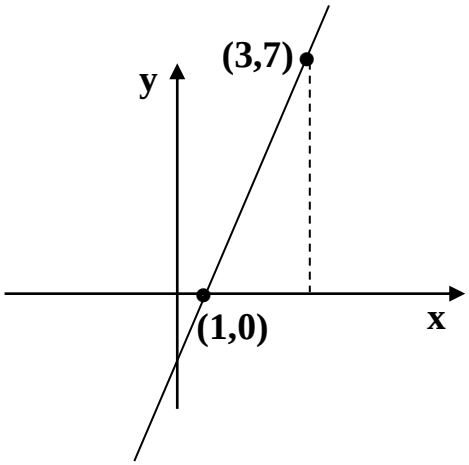

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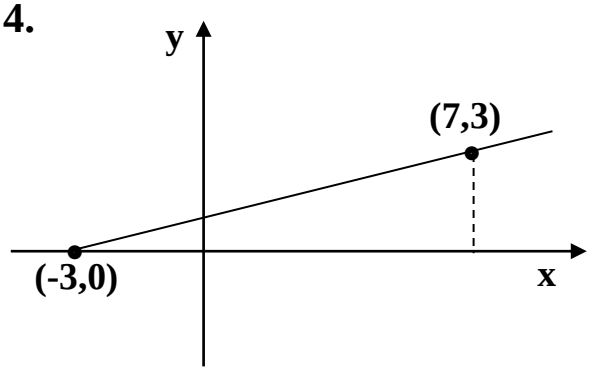

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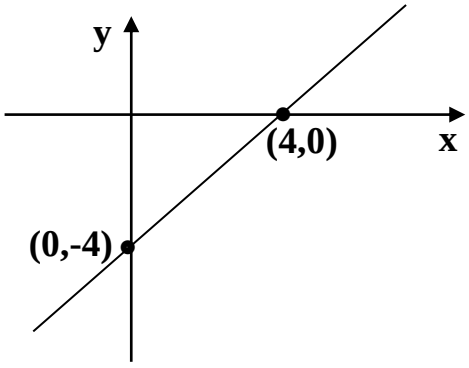

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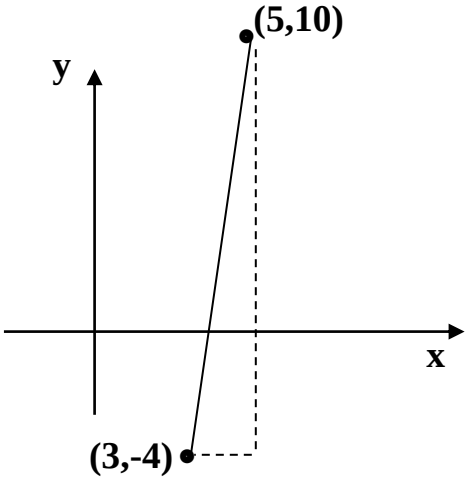

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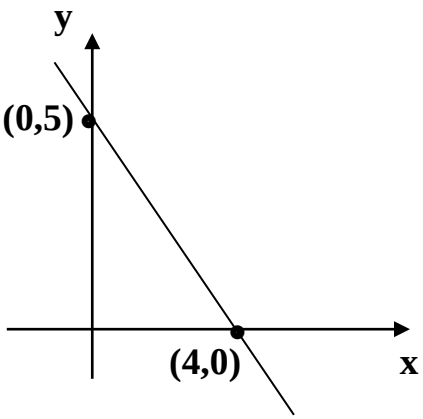

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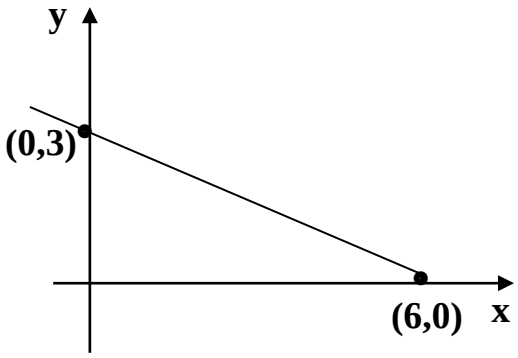

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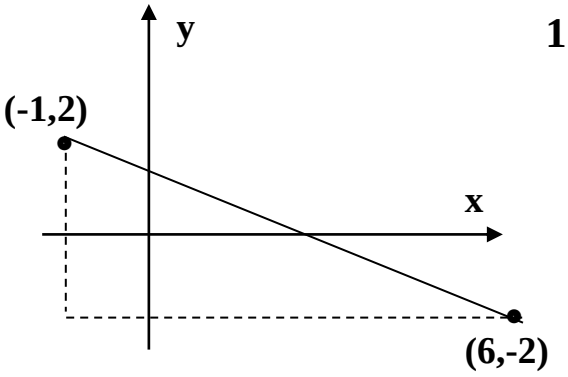

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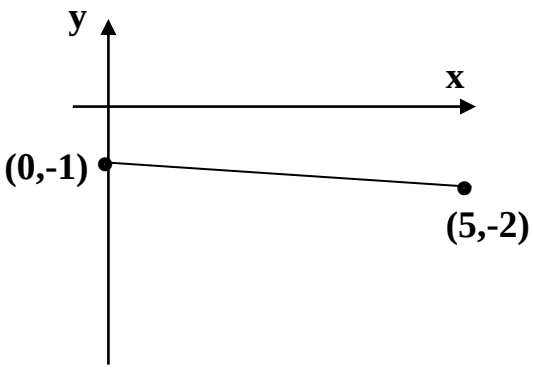

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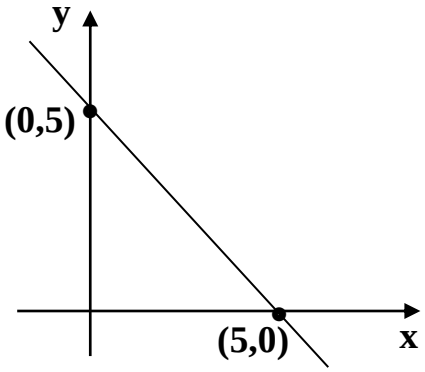
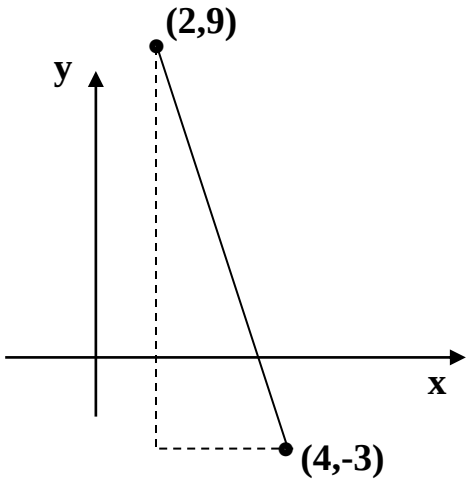
12.