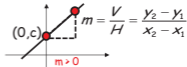
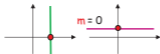


Credit

Straight Line Theory

www.mathsrevision.com



Possible values
for gradient

Graph of
 $y = mx + c$

Note:
 $2y + 4x = 8$
rearrange into
correct form
 $y = -2x + 4$

Straight Line
 $y = mx + c$

Two points needed
 (x_1, y_1) and (x_2, y_2)
to calculate gradient



Parallel lines have
same gradient

$m = \text{gradient}$ $m = \frac{V}{H} = \frac{y_2 - y_1}{x_2 - x_1}$

$C = y$ intercept $(0, C)$