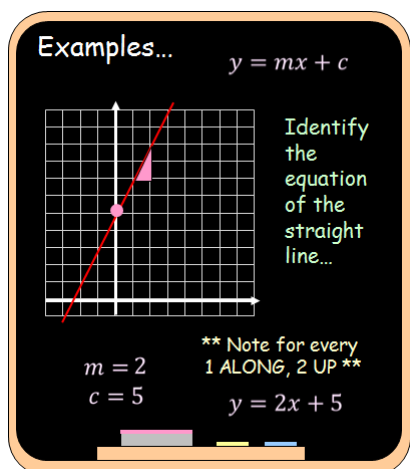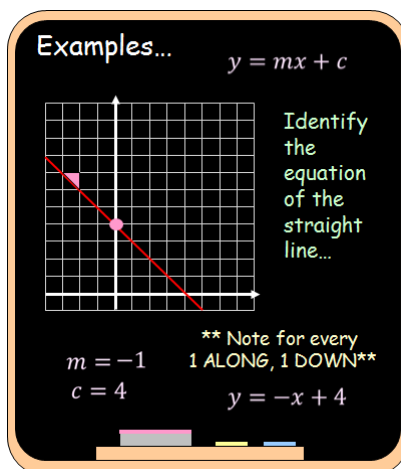# Outcome 1 – Writing the Equation of a Straight Line
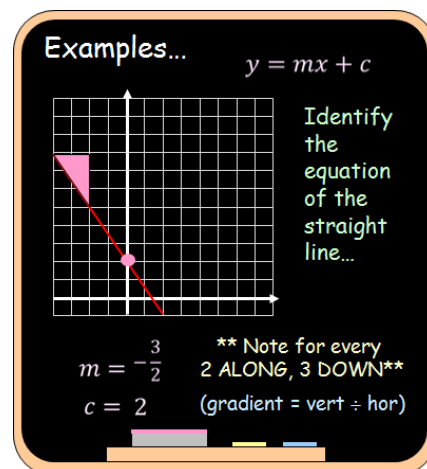
Bronze example **Silver example** **Gold example**
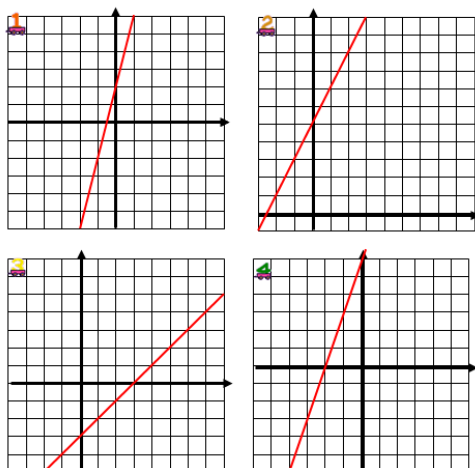
Examples... $y = mx + c$

Identify the equation of the straight line...

** Note for every 1 ALONG, 2 UP **

$m = 2$
$c = 5$
$y = 2x + 5$

Examples... $y = mx + c$

Identify the equation of the straight line...

** Note for every 1 ALONG, 1 DOWN**

$m = -1$
$c = 4$
$y = -x + 4$

Examples... $y = mx + c$

Identify the equation of the straight line...

** Note for every 2 ALONG, 3 DOWN**

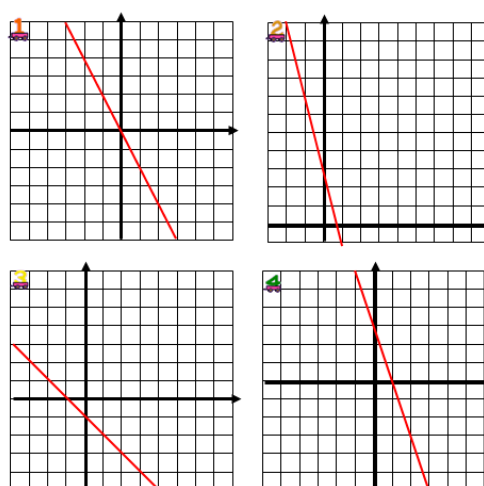$m = -\frac{3}{2}$
$c = 2$
(gradient = vert ÷ hor)

Bronze Questions

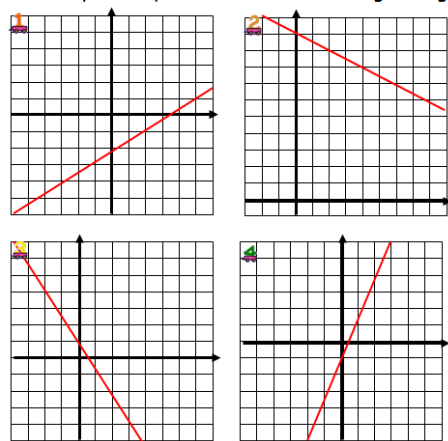Identify the equations of the following straight lines...

1. 2.
3. 4.

Silver Questions

Identify the equations of the following straight lines...

1. 2.
3. 4.

Gold Questions

Identify the equations of the following straight lines...

1. 2.
3. 4.

Bronze Answers

1. $y = 4x + 2$ 2. $y = 2x + 5$
3. $y = x - 3$ 4. $y = 3x + 6$

Silver Answers

1. $y = -2x$ 2. $y = -4x + 3$
3. $y = -x - 1$ 4. $y = -3x + 3$

Gold Answers

1. $y = \frac{2}{3}x - 2$ 2. $y = -\frac{1}{2}x + 10$
3. $y = -\frac{3}{2}x + 1$ 4. $y = \frac{5}{2}x - 1$