

1) Find **TWO ACCURATE POINTS**
and **COMPLETE THE TRIANGLE**

Both points should be in the upper right quadrant if possible (to keep all the numbers positive).

2) Find the **CHANGE IN Y**
and the **CHANGE IN X**

3) **LEARN** this formula, and use it:

$$\text{GRADIENT} = \frac{\text{CHANGE IN Y}}{\text{CHANGE IN X}}$$

4) Check the **SIGN'S** right.

If it slopes **UPHILL** left → right (↗) **then it's positive**
If it slopes **DOWNHILL** left → right (↘) **then it's negative**

Parallel Lines

- The equation of a straight line is $y = mx + c$ (see next page) where m is the gradient and c is the y -intercept.
- Parallel lines have the same value of m , i.e. the same gradient
So the lines: $y = 2x + 3$, $y = 2x$ and $y = 2x - 4$ are all parallel.

