### Advice

* Make them big enough to show sufficient detail.
* It’s a sketch, not an accurate drawing, so don’t get too hung up on the scale - it’s about the features.
* Avoid making assumptions in sketching!
* Write down any calculations you make for the features, e.g., turning point, asymptotes, intercepts.
* When sketching a product or quotient of two functions, draw both side by side then mentally multiply or divide them.
* Interviewers are trying to catch you get confused at some point during a complicated sketch so they can teach you.
* Consider the key points (where you think it’ll go a little strange).
* Consider envelopes (where the maximum and minimum reach such as in ).
* Some graphs which you make up cannot be drawn with your level of maths.
* For periodic functions such as will as envelopes whereas will have as the function ranges between 1 and -1.
* Consider signs alone to speed things up massively.
* For transformations, consider it from graphs you already know well.
* They don’t have to be drawn from x = 0. You can start anywhere.

### Things to Consider

* What happens at x = 0 and y = 0 (the intercepts) as well as the origin.
* What happens as x → ± ∞.
* Are there any asymptotes? Horizontal? Vertical? Oblique?
* Any turning points?
* Different things being dominant in different regions.