

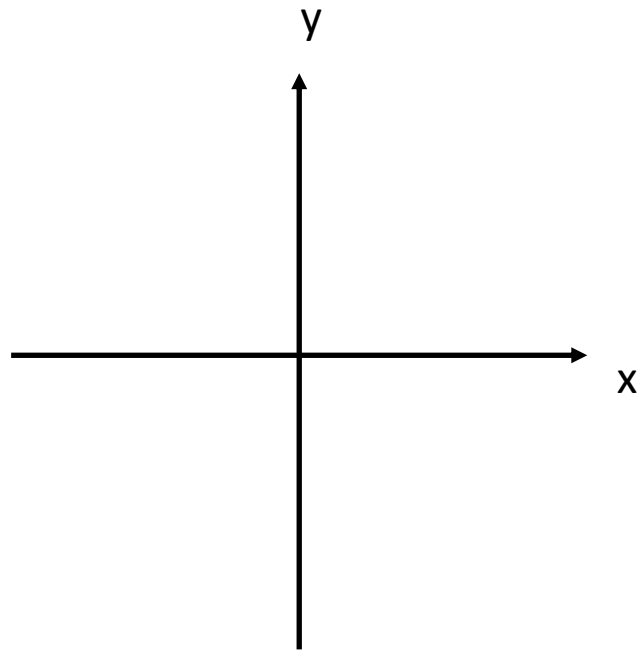
4E Translating Graphs

1. Sketch the following graphs:

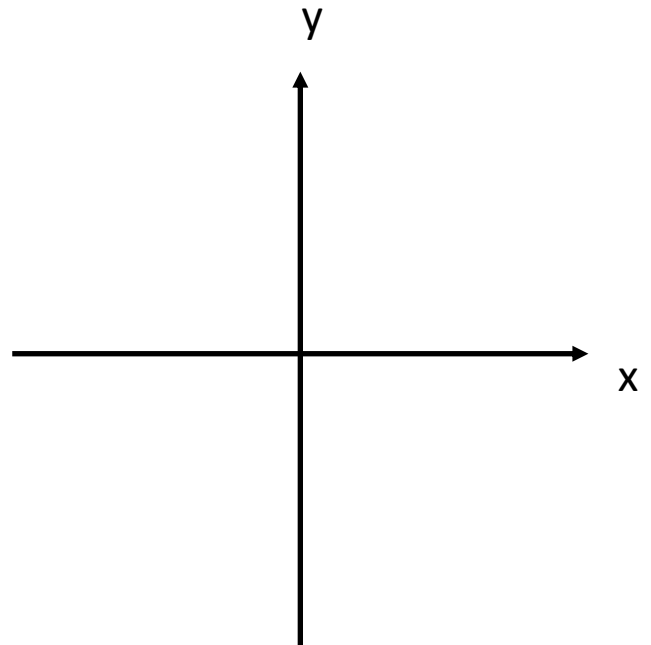
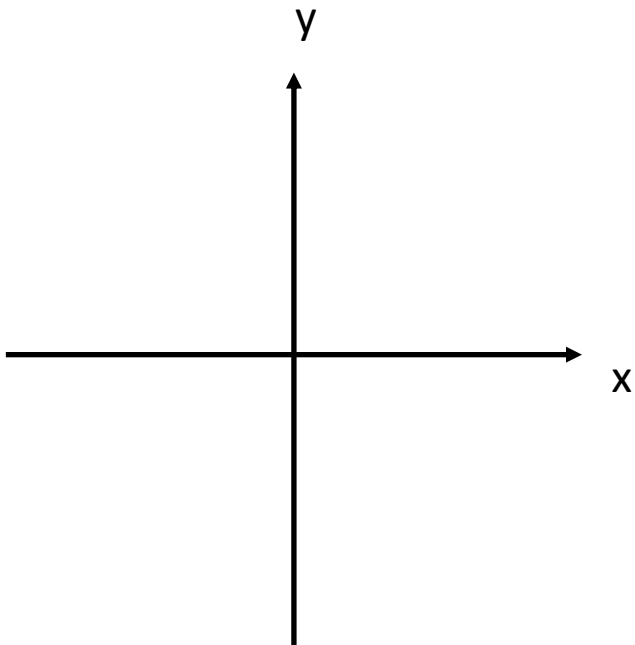
a) $y = x^2$

b) $y = (x - 2)^2$

c) $y = x^2 + 2$



2. Given that $f(x) = x^3$ and $g(x) = x(x - 2)$, sketch the graphs of $y = f(x + 1)$ and $y = g(x + 1)$



3. Given that $h(x) = \frac{1}{x}$, sketch the curve with equation $y = h(x) + 1$, stating the equations of any asymptotes and intersections with the axes

