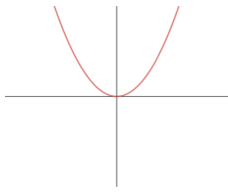


20th November

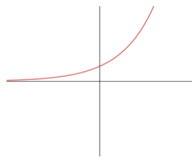


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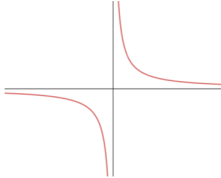
Graph A



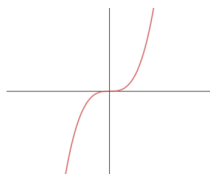
Graph B



Graph C



Graph D



Match each graph to the correct equation

$$y = x^2 \text{ is graph A}$$

$$y = x^3 \text{ is graph}$$

$$y = 2^x \text{ is graph}$$

$$y = \frac{1}{x} \text{ is graph}$$

Estimate $38^{\frac{3}{2}}$

Simplify fully

$$\frac{x^2 + 8x}{x^2 + 10x + 16}$$

Solve, giving your answers to one decimal place.

$$x^2 + 2x - 4 = 0$$