

1 Continuity and asymptotes – Part 2

—Answers

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Work through these after you have tried the questions yourself.

2.1 it has no break there –no hole, jump, or gap –so the graph can be drawn through that point without lifting the pen.

2.2 a hole, a jump, and an asymptote.

2.3 it shoots off toward $+\infty$ or $-\infty$ (it blows up).

2.4 the value the graph levels off toward as x becomes very large or very negative.

2.5 at $x = 3$ (where the denominator is zero).