

Solutions

Each answer shows the steps, then the **result**.

2.1

- when a factor cancels from both the numerator and the denominator

2.2

- simplifies to $x + 1$; hole at $(2, 3)$

2.3

- at a hole the function is merely undefined at one point; at an asymptote the values blow up to $\pm\infty$

3.1 B

3.2 B

3.3

(a)

- $x + 4$

(b)

- $x = 3$

(c)

- $3 + 4 = 7$