## Continuity

## 2.4.1

The function has a jump discontinuity at x = -2, a removable discontinuity at x = 1, and an infinite discontinuity at x = 4. It is continuous from the left at x = -2 and continuous from the right at x = 4.

## 2.4.2

(a) yes, (b) 
$$k = 1, k = -2$$
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