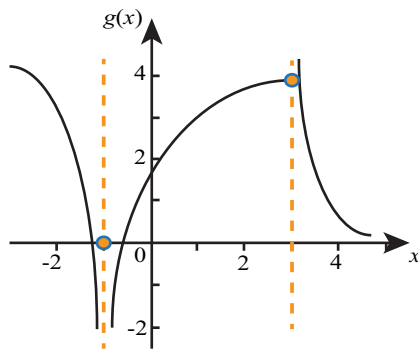
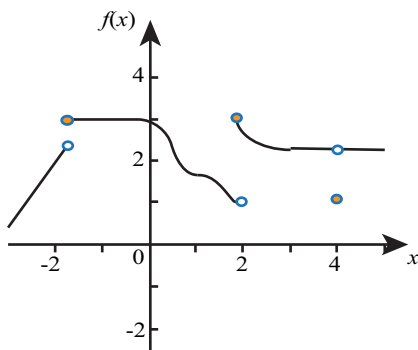


Continuity of Functions on an Interval

Worksheet - Answer Key

Are the following statements true or false?



1. $f(x)$ is discontinuous in $(-2, 0]$.
False.
2. $f(x)$ is continuous in $(-\infty, 2]$.
False.
3. $f(x)$ is discontinuous in $(2, 4)$.
True.
4. $f(x)$ is continuous in $[4, \infty)$.
False.
5. $f(x)$ is continuous in $[-2, 2)$.
True.
6. $g(x)$ is continuous in $(-\infty, -1)$.
True.
7. $g(x)$ is discontinuous in $(-1, 2)$.
False.
8. $g(x)$ is continuous in $(3, 110)$.
True.
9. $g(x)$ is continuous in $(-2, 3]$.
True.
10. $g(x)$ is continuous everywhere except $x = -1$.
False; it is discontinuous at $x = 3$ as well.

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