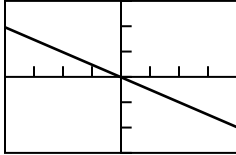


2.2–2.3 Concepts Worksheet**End Behavior Models**

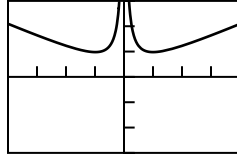
For each pair of graphs shown, determine whether $g(x)$ appears to be a right end behavior model for $f(x)$, a left end behavior model for $f(x)$, both, or neither.

1. $y = f(x)$



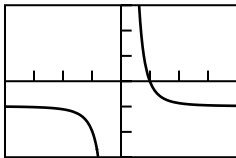
[-4, 4] by [-3, 3]

$y = g(x)$



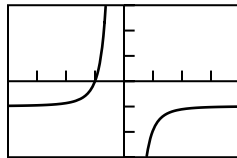
[-4, 4] by [-3, 3]

2. $y = f(x)$



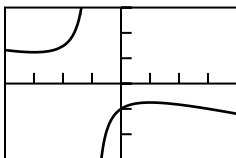
[-4, 4] by [-3, 3]

$y = g(x)$



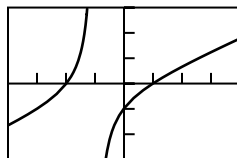
[-4, 4] by [-3, 3]

3. $y = f(x)$



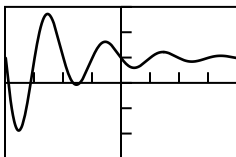
[-4, 4] by [-3, 3]

$y = g(x)$



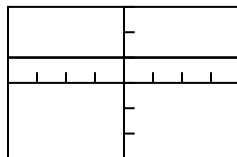
[-4, 4] by [-3, 3]

4. $y = f(x)$



[-4, 4] by [-3, 3]

$y = g(x)$

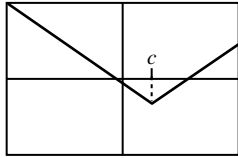


[-4, 4] by [-3, 3]

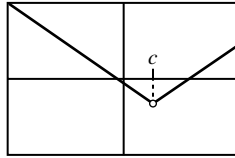
Continued

Continuity

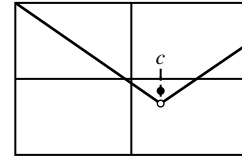
5. Decide whether the functions represented by the following graphs are continuous at $x = c$. If the function is discontinuous at c , identify the type of discontinuity.



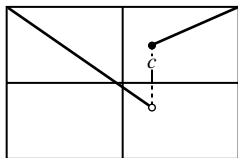
(a) _____



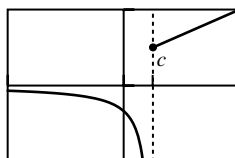
(b) _____



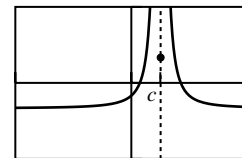
(c) _____



(d) _____



(e) _____



(f) _____

6. Give an example of a function that has:

(a) only one point of discontinuity _____

(b) exactly two points of discontinuity _____

(c) an infinite number of points of discontinuity _____

7. Give an example of a function that is:

(a) continuous at every point _____

(b) discontinuous at every point _____