1) Complete the following tables:

f(x) = (see textbook)

- a) x 3 3.5 3.9 3.999 3.9999999 f(x)
- b) x 5 4.5 4.01 4.0001 4.00000001 f(x)
- c) $\lim_{x \to 4^{-}} f(x) = \underline{\qquad} \qquad \lim_{x \to 4^{+}} f(x) = \underline{\qquad} \qquad \lim_{x \to 4} f(x) = \underline{\qquad}$

3) Complete the following tables:

f(x) = _____ (see textbook)

- a) x -1 -0.5 -0.1 -0.0001 -0.000001 f(x)
- b) x 1 0.5 0.1 0.0001 0.00000001 f(x)
- c) $\lim_{x \to 0^{-}} f(x) = \underline{\qquad} \lim_{x \to 0^{+}} f(x) = \underline{\qquad} \lim_{x \to 0} f(x) = \underline{\qquad}$

5) Complete the following tables:

f(x) = _____ (see textbook)

- a) x -1 -0.5 -0.1 -0.0001 -0.0000001 f(x)
- b) x 1 0.5 0.1 0.0001 0.00000001 f(x)
- c) $\lim_{x \to 0^{-}} f(x) = \underline{\qquad} \qquad \lim_{x \to 0^{+}} f(x) = \underline{\qquad} \qquad \lim_{x \to 0} f(x) = \underline{\qquad}$

7) Complete the following tables:

f(x) = (see textbook)

- a) x 0 0.5 0.9 0.999 0.999999 f(x)
- b) x 2 1.5 1.1 1.0001 1.00000001 f(x)
- c) $\lim_{x \to 1^{-}} f(x) = \underline{\qquad} \qquad \lim_{x \to 1^{+}} f(x) = \underline{\qquad} \qquad \lim_{x \to 1} f(x) = \underline{\qquad}$
- 11) Complete the following tables:

f(x) = _____ (see textbook)

- a) x -7 -6.5 -6.01 -6.0001 -6.00000001 f(x)
- b) x -5 -5.5 -5.9 -5.999 -5.999999 f(x)
- c) $\lim_{x \to -6^{-}} f(x) = \underline{\qquad} \lim_{x \to -6^{+}} f(x) = \underline{\qquad} \lim_{x \to -6} f(x) = \underline{\qquad}$

17) Complete the following tables:

f(x) = _____ (see textbook)

- a) x 1 1.5 1.9 1.999 1.999999 f(x)
- b) x 3 2.5 2.01 2.0001 2.00000001 f(x)
- c) $\lim_{x \to 2^{-}} f(x) = \underline{\qquad} \qquad \lim_{x \to 2^{+}} f(x) = \underline{\qquad} \qquad \lim_{x \to 2} f(x) = \underline{\qquad}$

19) Complete the following tables:

f(x) = _____ (see textbook)

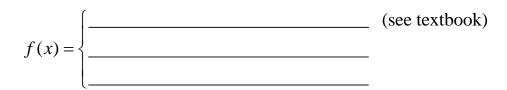
- a) x 1 1.5 1.9 1.999 1.999999 f(x)
- b) x 3 2.5 2.01 2.0001 2.00000001 f(x)
- c) $\lim_{x \to 2^{-}} f(x) = \underline{\qquad} \lim_{x \to 2^{+}} f(x) = \underline{\qquad} \lim_{x \to 2^{+}} f(x) = \underline{\qquad}$

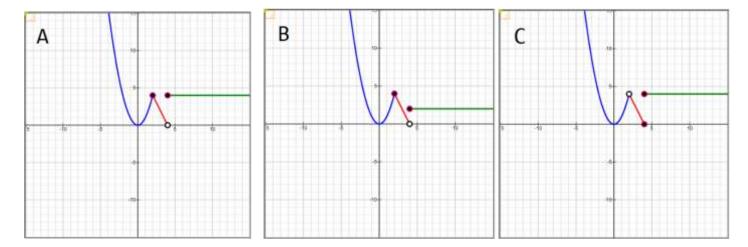
22) Complete the following tables:

f(x) = _____ (see textbook)

- a) $x = \pi/2-0.5 = \pi/2-0.1 = \pi/2-0.0001 = \pi/2-0.0000001$
- b) $x \frac{\pi/2+0.5}{f(x)} = \frac{\pi/2+0.1}{\pi/2+0.0001} \frac{\pi/2+0.0000001}{\pi/2+0.0000001}$
- c) $\lim_{x \to \pi/2^{-}} f(x) = \underline{\qquad} \qquad \lim_{x \to \pi/2^{+}} f(x) = \underline{\qquad} \qquad \lim_{x \to \pi/2} f(x) = \underline{\qquad}$
- 24) a) f(-2) = Hint: when x = -2, y = ?
- b) $\lim_{x \to -2^{-}} f(x) = \underline{\qquad} \lim_{x \to -2^{+}} f(x) = \underline{\qquad} \lim_{x \to -2} f(x) = \underline{\qquad}$
- c) f(0) = Hint: when x = 0, y = ?
- d) $\lim_{x \to 0^{-}} f(x) = \underline{\qquad} \qquad \lim_{x \to 0^{+}} f(x) = \underline{\qquad} \qquad \lim_{x \to 0} f(x) = \underline{\qquad}$
- e) f(2) = _____ Hint: when x = 2, y = ?
- f) $\lim_{x \to 2^{-}} f(x) = \underline{\qquad} \qquad \lim_{x \to 2^{+}} f(x) = \underline{\qquad} \qquad \lim_{x \to 2} f(x) = \underline{\qquad}$
- g) f(4) = _____ Hint: when x = 4, y = ?
- h) $\lim_{x \to 4^{-}} f(x) = \underline{\qquad} \qquad \lim_{x \to 4^{+}} f(x) = \underline{\qquad} \qquad \lim_{x \to 4} f(x) = \underline{\qquad}$

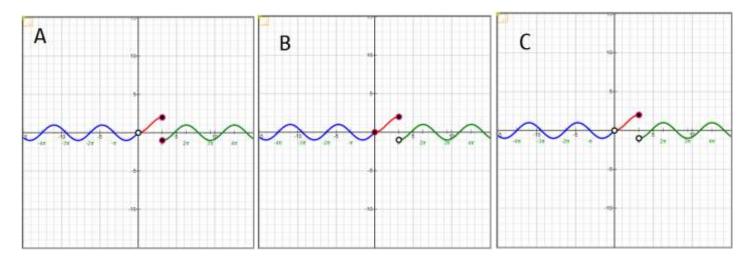
25) Identify graph.





Which graph is correct?

26) Identify graph.



Which graph is correct?