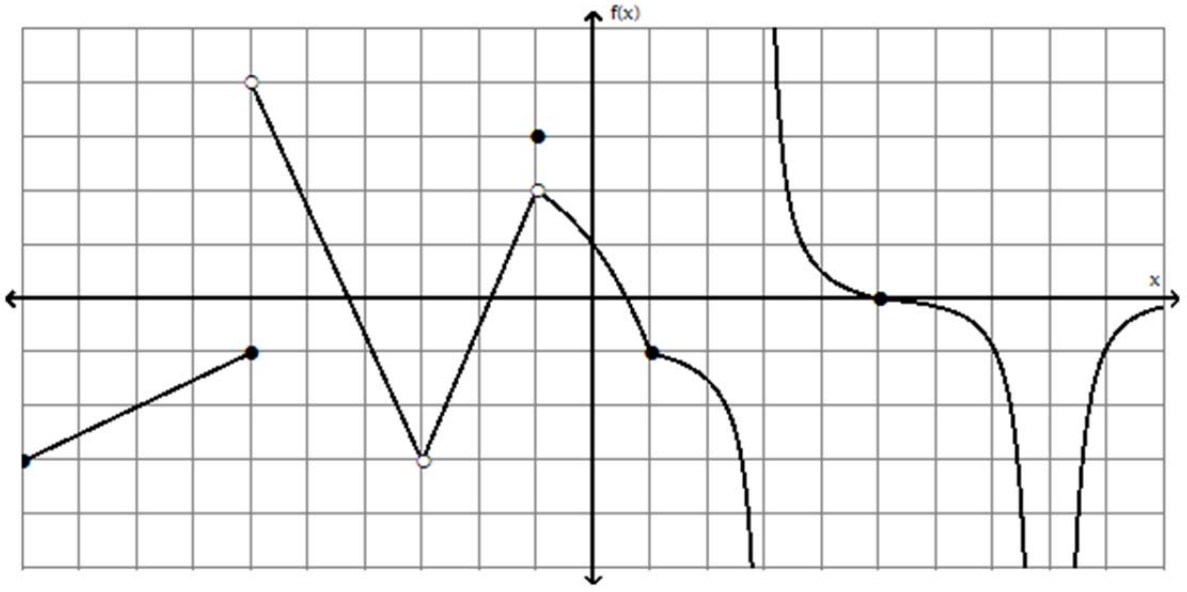
Introduction To Limits **Name** _____



Use the graph above to evaluate each limit, or if appropriate, indicate that the limit does not exist.

1. $\lim_{x \to -6^-} f(x)$

2. $\lim_{x \to -6^+} f(x)$

3. $\lim_{x \to -6} f(x)$

4. $\lim_{x \to -3^+} f(x)$

5. $\lim_{x \to -3} f(x)$

6. $\lim_{x \to -1^-} f(x)$

7. $\lim_{x \to -1^+} f(x)$

8. $\lim_{x \to -1} f(x)$

9. $\lim_{x \to 1} f(x)$

10. $\lim_{x \to 3^-} f(x)$

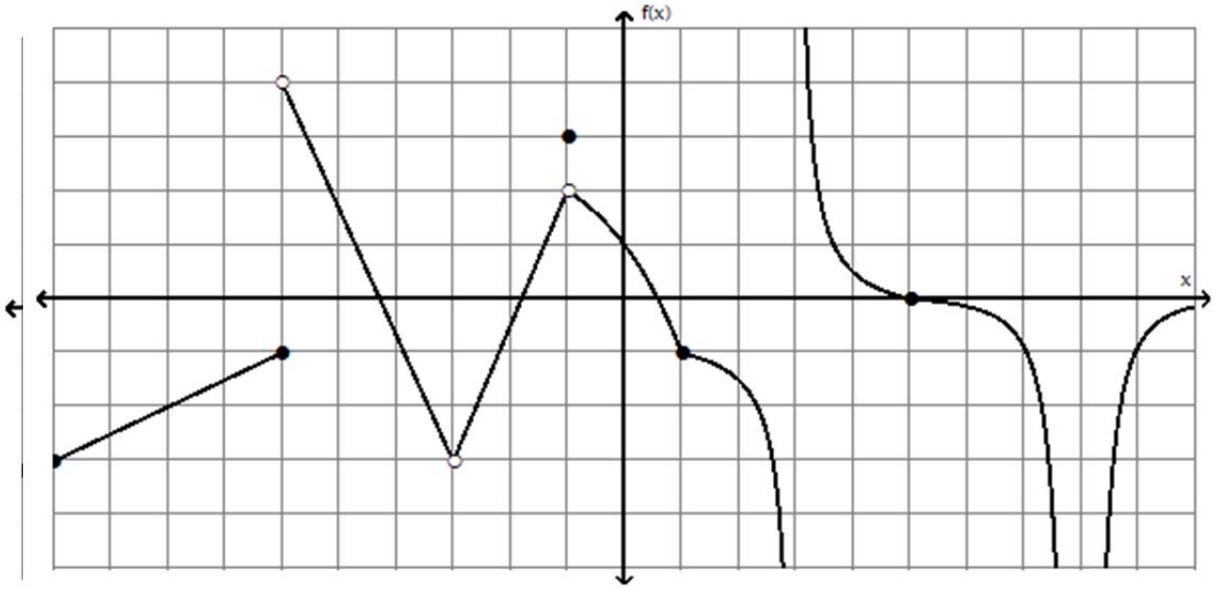
11. $\lim_{x \to 3^+} f(x)$

12. $\lim_{x \to 3} f(x)$

13. $\lim_{x \to 8^+} f(x)$

14. $\lim_{x \to 8} f(x)$

Introduction To Limits **Name** Key



Use the graph above to evaluate each limit, or if appropriate, indicate that the limit does not exist.

1. $\lim_{x\to -6^-} f(x)$ **-1**

2. $\lim_{x\to -6^+} f(x)$ **4**

3. $\lim_{x\to -6} f(x)$ **does not exist**

4. $\lim_{x\to -3^+} f(x)$ **-3**

5. $\lim_{x\to -3} f(x)$ **-3**

6. $\lim_{x\to -1^-} f(x)$ **2**

7. $\lim_{x\to -1^+} f(x)$ **2**

8. $\lim_{x\to -1} f(x)$ **2**

9. $\lim_{x\to 1} f(x)$ **-1**

10. $\lim_{x\to 3^-} f(x)$ **$-\infty$**

11. $\lim_{x\to 3^+} f(x)$ **$+\infty$**

12. $\lim_{x\to 3} f(x)$ **does not exist**

13. $\lim_{x\to 8^+} f(x)$ **$-\infty$**

14. $\lim_{x\to 8} f(x)$ **$-\infty$**