

1) $\lim_{x \rightarrow -5} f(x) =$

2) $\lim_{x \rightarrow -4} f(x) =$

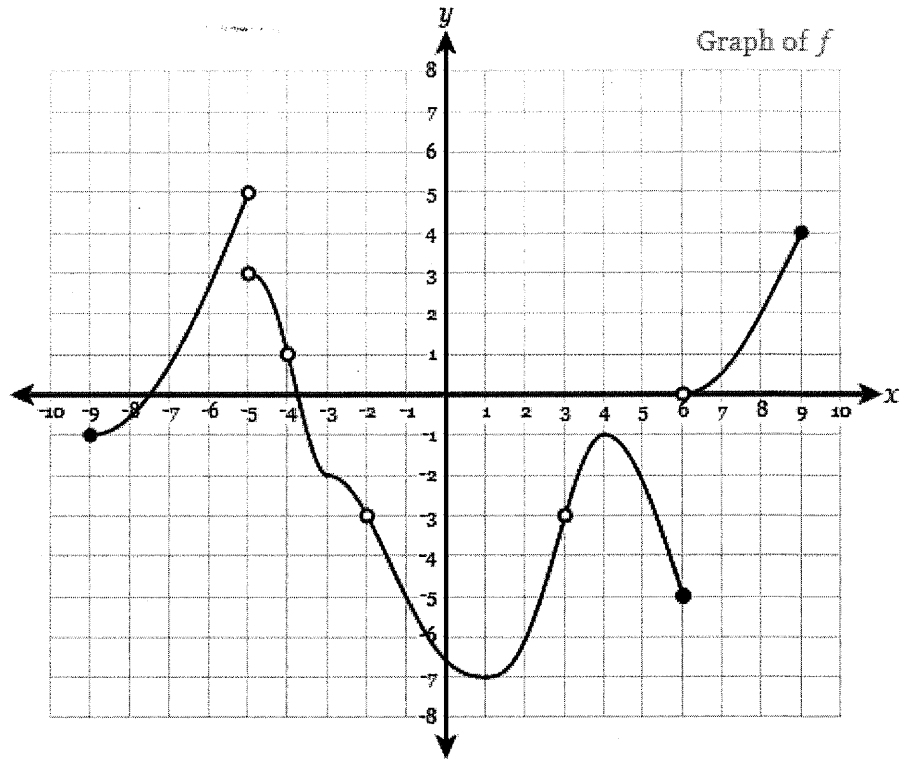
3) $f(-3) =$

4) $\lim_{x \rightarrow -3} f(x) =$

5) $f(3) =$

6) $\lim_{x \rightarrow 3} f(x) =$

7) $\lim_{x \rightarrow 6} f(x) =$



8) $\lim_{x \rightarrow -8} f(x) =$

9) $\lim_{x \rightarrow -7} f(x) =$

10) $f(-3) =$

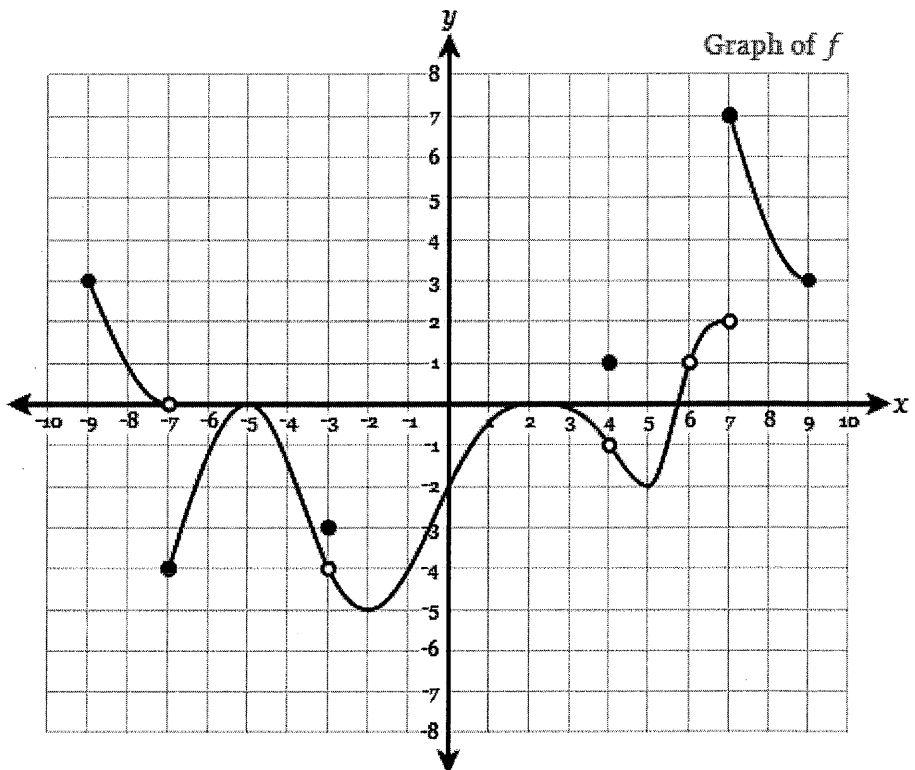
11) $\lim_{x \rightarrow 4} f(x) =$

12) $f(4) =$

13) $f(6) =$

14) $\lim_{x \rightarrow 6} f(x) =$

15) $\lim_{x \rightarrow 7} f(x) =$



Ch. 1.2 WS #1 Continued

16) $\lim_{x \rightarrow -9} f(x) =$

17) $\lim_{x \rightarrow -6} f(x) =$

18) $\lim_{x \rightarrow -4} f(x) =$

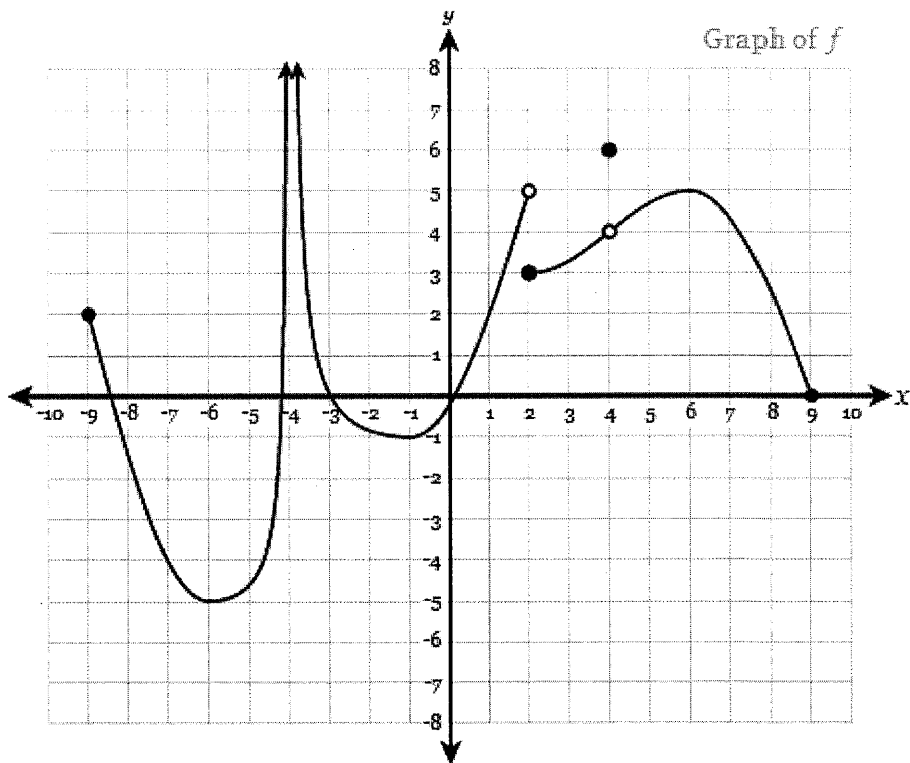
19) $f(-4) =$

20) $\lim_{x \rightarrow 2} f(x) =$

21) $f(2) =$

22) $\lim_{x \rightarrow 4} f(x) =$

23) $f(4) =$



24) $\lim_{x \rightarrow -6} f(x) =$

25) $\lim_{x \rightarrow -4} f(x) =$

26) $f(-4) =$

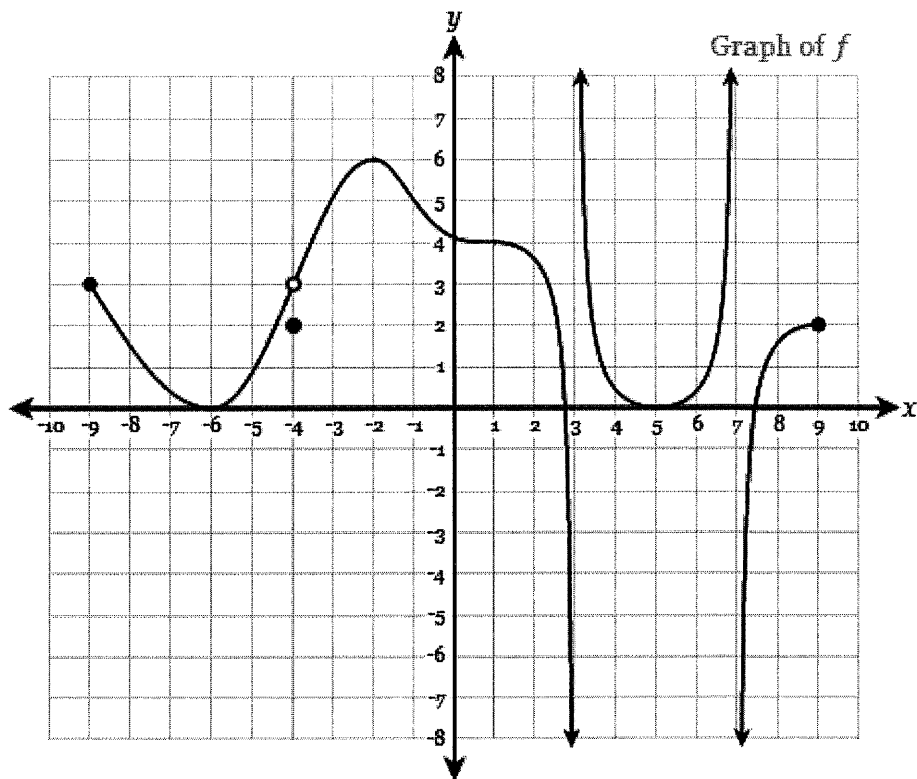
27) $f(3) =$

28) $\lim_{x \rightarrow 3} f(x) =$

29) $\lim_{x \rightarrow 5} f(x) =$

30) $\lim_{x \rightarrow 7} f(x) =$

31) $\lim_{x \rightarrow 9} f(x) =$



Calculus Ch. 1.2 Classwork Problems Worksheet #2

Sketch graph of a function satisfying the given descriptions:

1) $\lim_{x \rightarrow -5} f(x) = 3$

2) $f(-5) = -2$

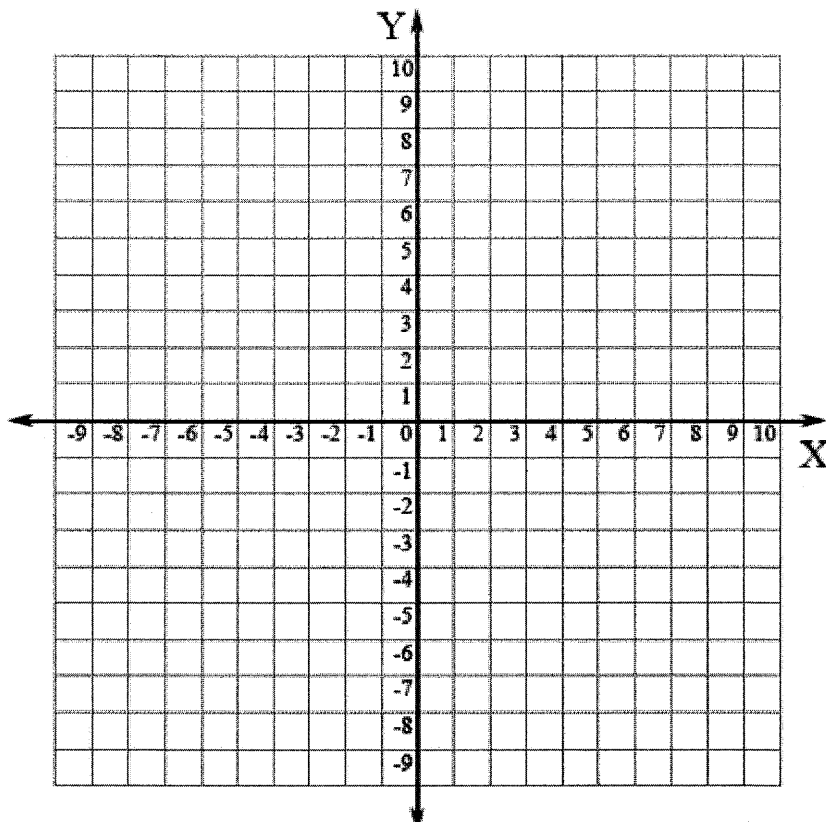
3) $f(-1) = 6$

4) $\lim_{x \rightarrow -3} f(x) = -\infty$

5) $f(3) = \text{undefined}$

6) $\lim_{x \rightarrow 3} f(x)$ does not exist

7) $\lim_{x \rightarrow 6} f(x) = 4$



8) $\lim_{x \rightarrow -8} f(x) = DNE$

9) $\lim_{x \rightarrow -7} f(x) = 5$

10) $f(-3) = 5$

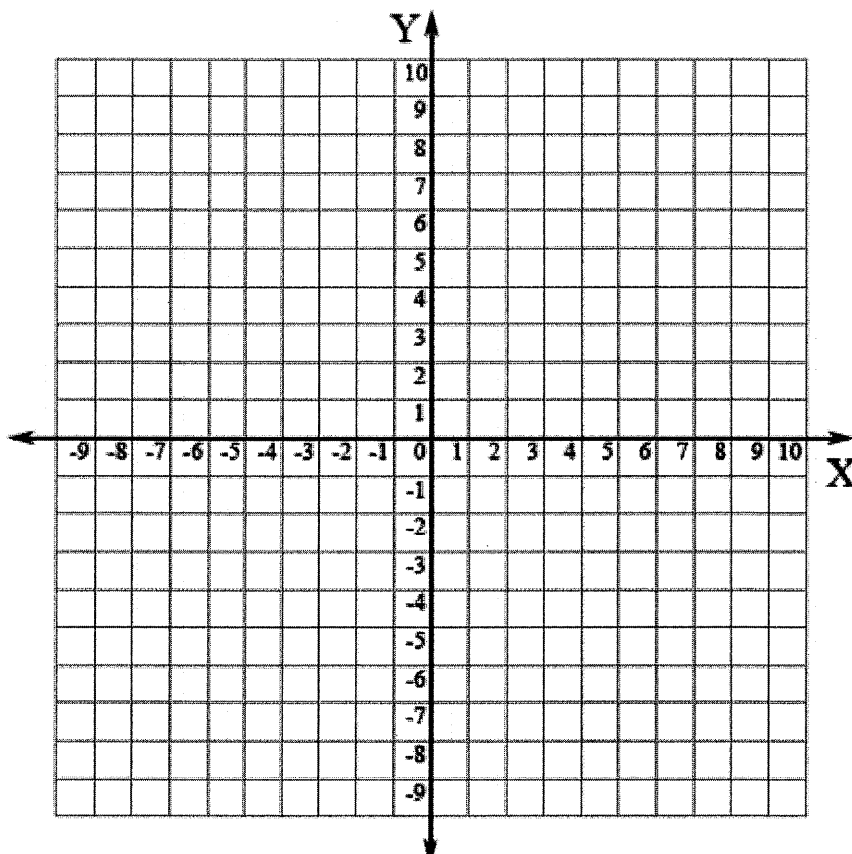
11) $\lim_{x \rightarrow 4} f(x) = 2$

12) $f(4) = \text{undefined}$

13) $f(6) = 4$

14) $\lim_{x \rightarrow 6} f(x) = \infty$

15) $\lim_{x \rightarrow 9} f(x) = -3$



Ch 1.2 WS #2 Sketch graph of a function satisfying the given descriptions:

16) $\lim_{x \rightarrow -9} f(x) = -1$

17) $\lim_{x \rightarrow -6} f(x) = DNE$

18) $\lim_{x \rightarrow -4} f(x) = 2$

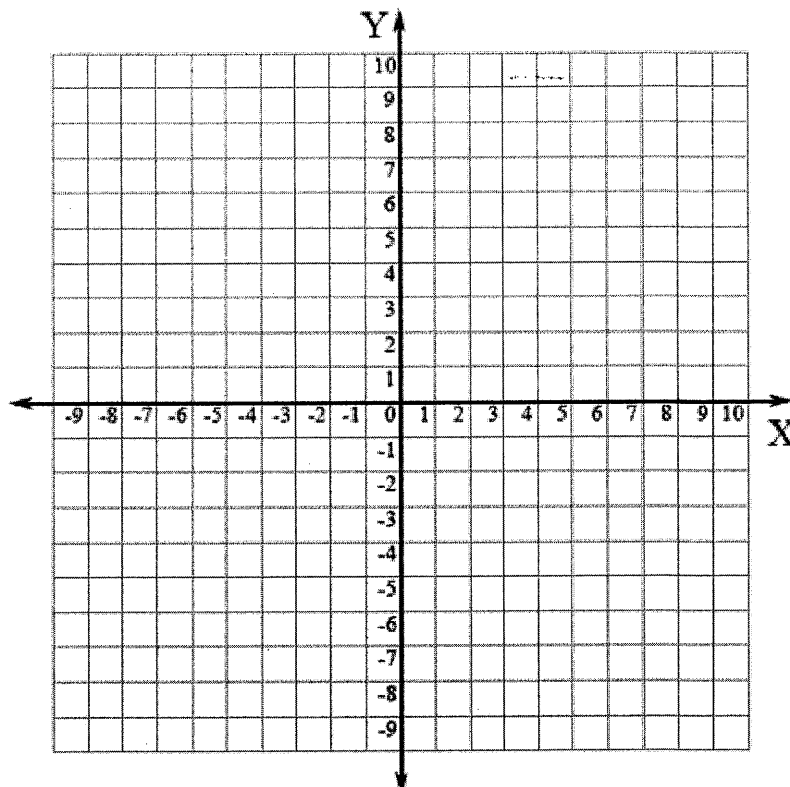
19) $f(-4) = 2$

20) $\lim_{x \rightarrow 2} f(x) = -5$

21) $f(2) = 4$

22) $\lim_{x \rightarrow 4} f(x) = -\infty$

23) $f(4) = 6$



24) $\lim_{x \rightarrow -6} f(x) = +\infty$

25) $\lim_{x \rightarrow -4} f(x) = DNE$

26) $f(-4) = \text{undefined}$

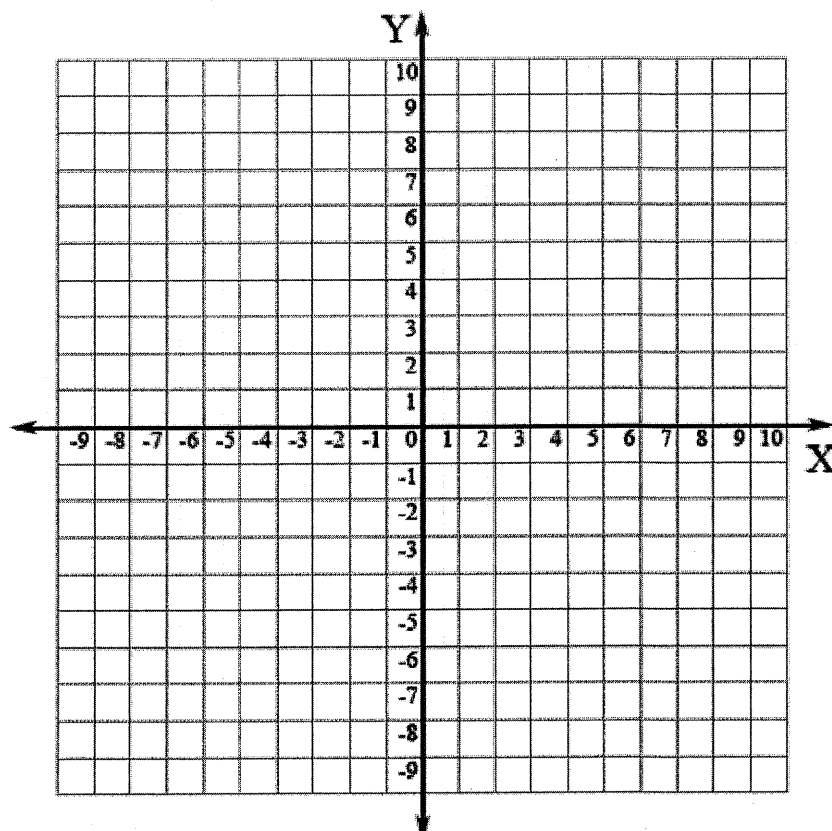
27) $f(3) = 6$

28) $\lim_{x \rightarrow 3} f(x) = 1$

29) $\lim_{x \rightarrow 5} f(x) = 6$

30) $\lim_{x \rightarrow 7} f(x) = 0$

31) $\lim_{x \rightarrow 9} f(x) = \text{undefined}$



*Does Not Exist (dne)

1) $\lim_{x \rightarrow -5} f(x) = dne.$

2) $\lim_{x \rightarrow -4} f(x) = 1$

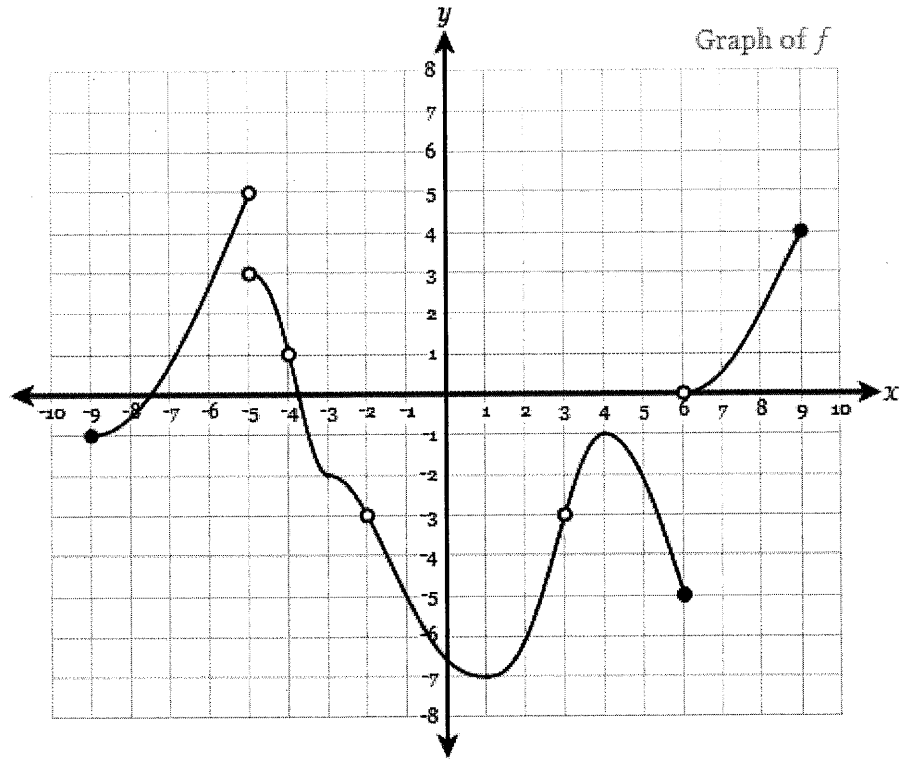
3) $f(-3) = -2$

4) $\lim_{x \rightarrow -3} f(x) = -2$

5) $f(3) = \text{undefined}$

6) $\lim_{x \rightarrow 3} f(x) = -3$

7) $\lim_{x \rightarrow 6} f(x) = dne.$



8) $\lim_{x \rightarrow -8} f(x) = 1$

9) $\lim_{x \rightarrow -7} f(x) = dne.$

10) $f(-3) = -3$

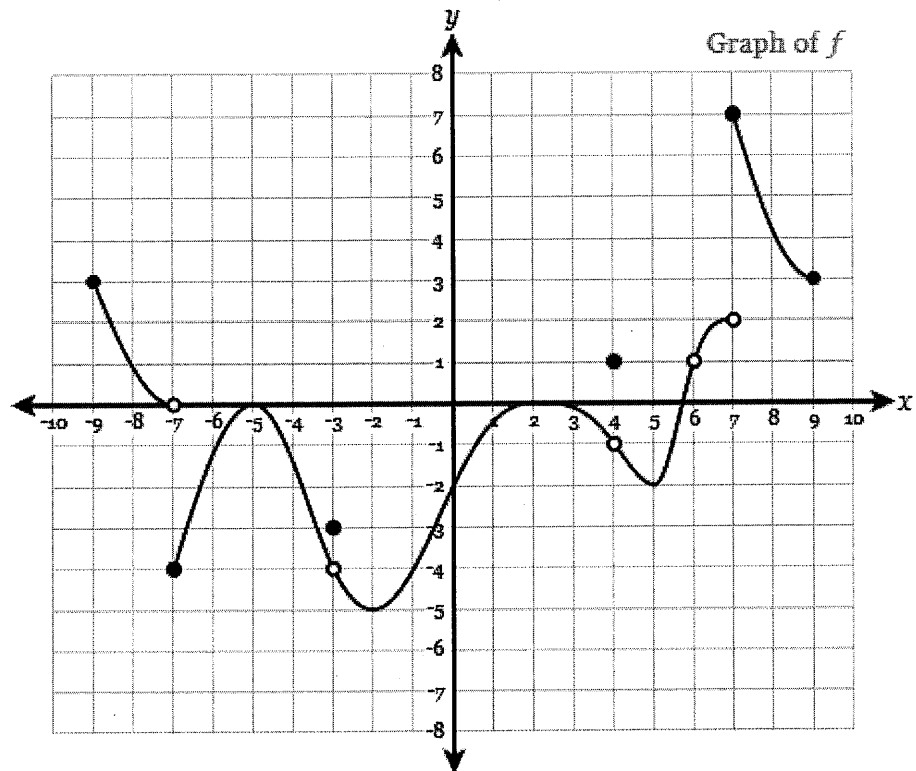
11) $\lim_{x \rightarrow 4} f(x) = -1$

12) $f(4) = 1$

13) $f(6) = dne$
(undefined)

14) $\lim_{x \rightarrow 6} f(x) = 1$

15) $\lim_{x \rightarrow 7} f(x) = dne.$



Ch. 1.2 WS #1 Continued

16) $\lim_{x \rightarrow -9} f(x) = d.n.e.$

17) $\lim_{x \rightarrow -6} f(x) = -5$

18) $\lim_{x \rightarrow -4} f(x) = d.n.e. (+\infty)$

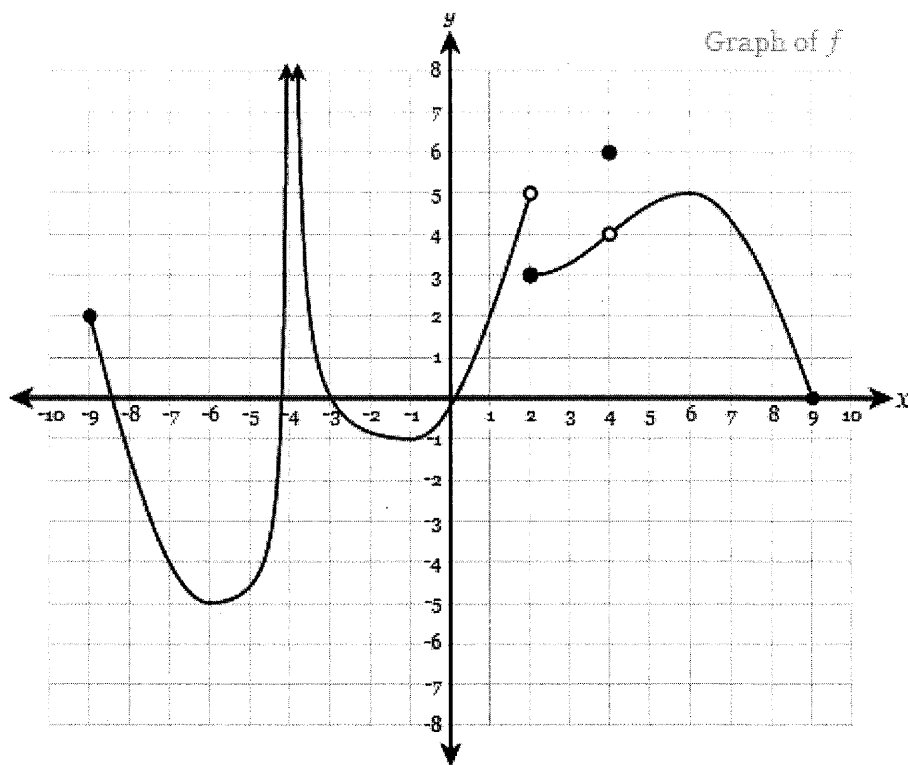
19) $f(-4) = \text{undefined}$

20) $\lim_{x \rightarrow 2} f(x) = d.n.e.$

21) $f(2) = 3$

22) $\lim_{x \rightarrow 4} f(x) = 4$

23) $f(4) = 6$



24) $\lim_{x \rightarrow -6} f(x) = 0$

25) $\lim_{x \rightarrow -4} f(x) = 3$

26) $f(-4) = 2$

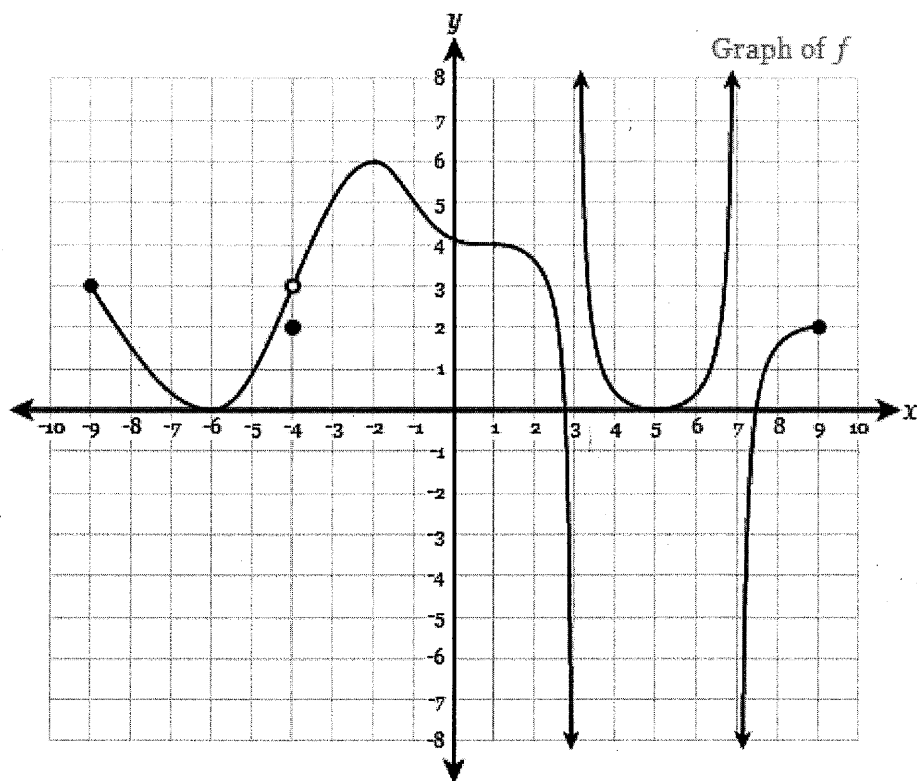
27) $f(3) = d.n.e.$

28) $\lim_{x \rightarrow 3} f(x) = d.n.e.$

29) $\lim_{x \rightarrow 5} f(x) = 0$

30) $\lim_{x \rightarrow 7} f(x) = d.n.e.$

31) $\lim_{x \rightarrow 9} f(x) = d.n.e.$

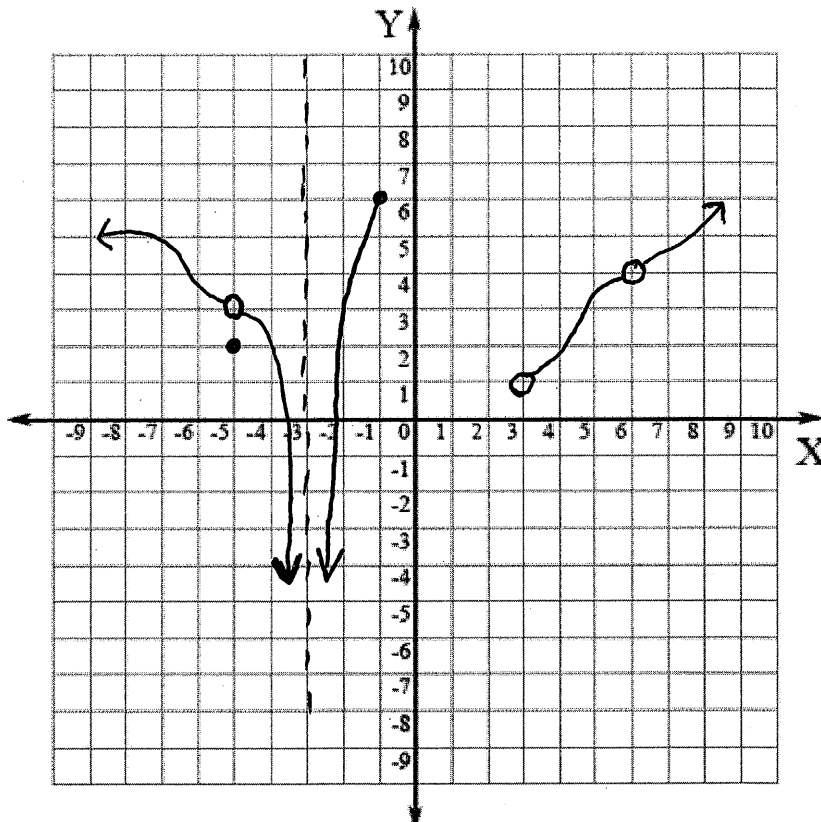


Calculus Ch. 1.2 Classwork Problems Worksheet #2

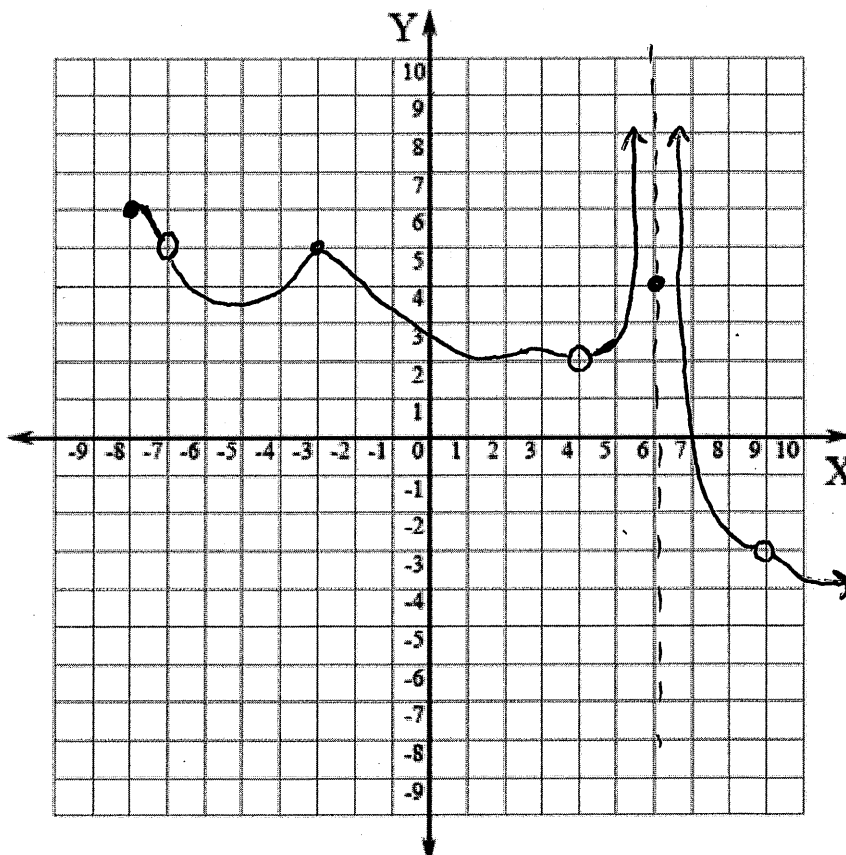
Key

Sketch graph of a function satisfying the given descriptions:

- 1) $\lim_{x \rightarrow -5} f(x) = 3$
- 2) $f(-5) = -2$
- 3) $f(-1) = 6$
- 4) $\lim_{x \rightarrow -3} f(x) = -\infty$
- 5) $f(3) = \text{undefined}$
- 6) $\lim_{x \rightarrow 3} f(x)$ does not exist
- 7) $\lim_{x \rightarrow 6} f(x) = 4$



- 8) $\lim_{x \rightarrow -8} f(x) = \text{DNE}$
- 9) $\lim_{x \rightarrow -7} f(x) = 5$
- 10) $f(-3) = 5$
- 11) $\lim_{x \rightarrow 4} f(x) = 2$
- 12) $f(4) = \text{undefined}$
- 13) $f(6) = 4$
- 14) $\lim_{x \rightarrow 6} f(x) = \infty$
- 15) $\lim_{x \rightarrow 9} f(x) = -3$



Ch 1.2 WS #2 Sketch graph of a function satisfying the given descriptions:

16) $\lim_{x \rightarrow -9} f(x) = -1$

17) $\lim_{x \rightarrow -6} f(x) = DNE$

18) $\lim_{x \rightarrow -4} f(x) = 2$

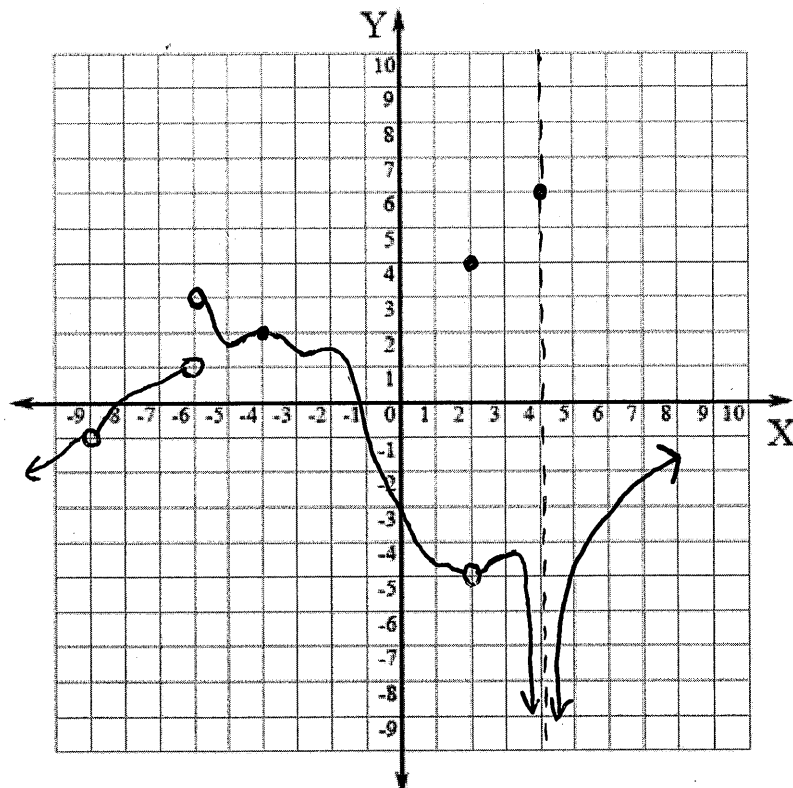
19) $f(-4) = 2$

20) $\lim_{x \rightarrow 2} f(x) = -5$

21) $f(2) = 4$

22) $\lim_{x \rightarrow 4} f(x) = -\infty$

23) $f(4) = 6$



24) $\lim_{x \rightarrow -6} f(x) = +\infty$

25) $\lim_{x \rightarrow -4} f(x) = DNE$

26) $f(-4) = \text{undefined}$

27) $f(3) = 6$

28) $\lim_{x \rightarrow 3} f(x) = 1$

29) $\lim_{x \rightarrow 5} f(x) = 6$

30) $\lim_{x \rightarrow 7} f(x) = 0$

31) $\lim_{x \rightarrow 9} f(x) = \text{undefined}$

