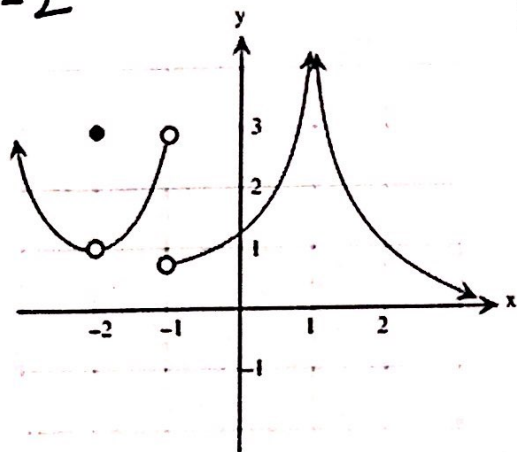


Finding Limits

HW 1-2



Find the value or limit.

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

4) $\lim_{x \rightarrow 1} =$

2) $f(-2) =$

5) $\lim_{x \rightarrow 2} =$

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

6) $f(2) =$

Find the limit.

1) $\lim_{x \rightarrow 2} \frac{5x^3 + 4}{x - 3}$

2) $\lim_{x \rightarrow 3} \frac{\sqrt{x+1} - 2}{x - 3}$

3) $\lim_{x \rightarrow 0} \frac{\frac{1}{2+x} - \frac{1}{2}}{x}$

4) $\lim_{x \rightarrow 3} \sin \frac{\pi x}{4}$

5) $\lim_{x \rightarrow 1} \sec \frac{\pi x}{3}$

6) $\lim_{h \rightarrow 0} \frac{(3+h)^2 - 9}{h}$

7) $\lim_{x \rightarrow 9} \frac{\sqrt{x} - 3}{x - 9}$

8) $\lim_{\theta \rightarrow 0} \frac{3(1 - \cos \theta)}{\theta}$

9) $\lim_{x \rightarrow 0} \frac{3 \sin x}{4x}$