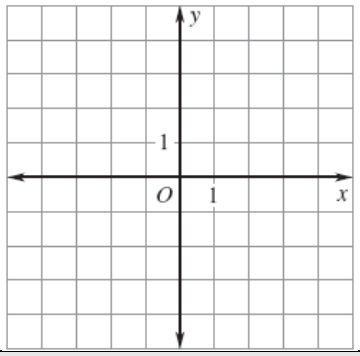
ALGEBRA II
9.2 Worksheet

NAME _____

Find the vertical and horizontal asymptotes. Graph the hyperbola, listing all your points in the provided table. Then, state the domain and range.



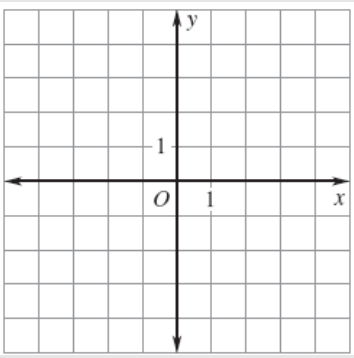
1. $f(x)=\frac{1}{x}$

V.A. = _____

H.A. = _____

Domain: _____

Range: _____



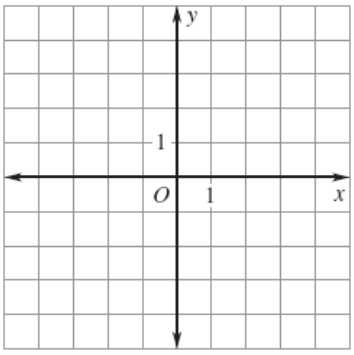
2. $f(x)=\frac{-1}{x}$

V.A. = _____

H.A. = _____

Domain: _____

Range: _____



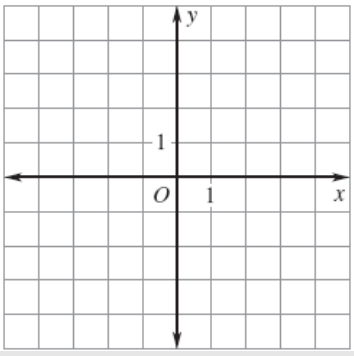
3. $f(x)=\frac{1}{x-2}$

V.A. = _____

H.A. = _____

Domain: _____

Range: _____



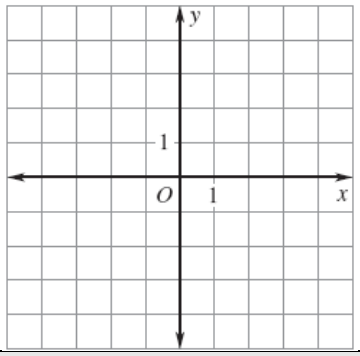
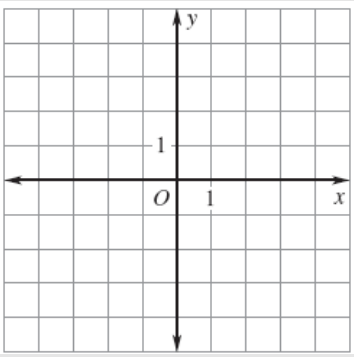
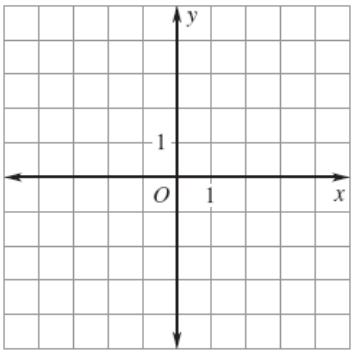
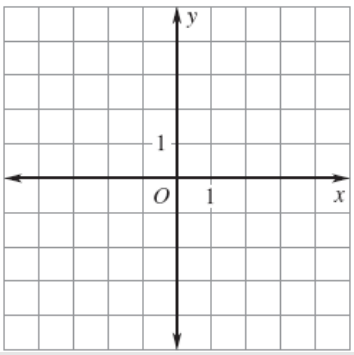
4. $f(x)=\frac{1}{x}-2$

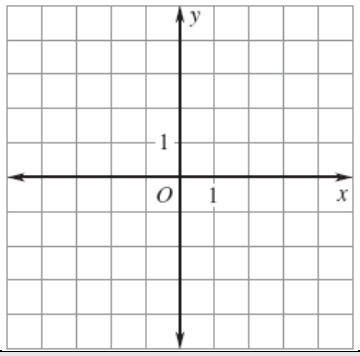
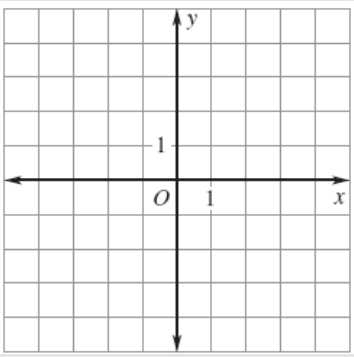
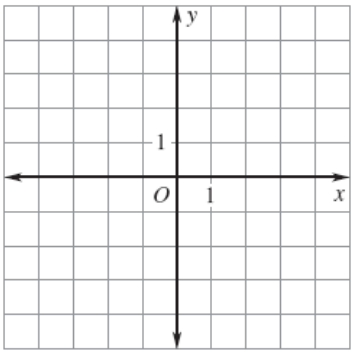
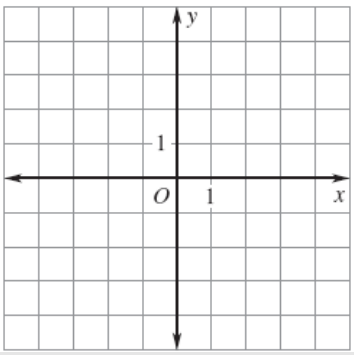
V.A. = _____

H.A. = _____

Domain: _____

Range: _____

	**5.** $f(x)=\frac{3}{x}-2$ **V.A. =** _____ **H.A. =** _____	**Domain:** _____ **Range:** _____
	**6.** $f(x)=\frac{4}{x+4}+3$ **V.A. =** _____ **H.A. =** _____	**Domain:** _____ **Range:** _____
	**7.** $f(x)=\frac{4}{x-2}-1$ **V.A. =** _____ **H.A. =** _____	**Domain:** _____ **Range:** _____
	**8.** $f(x)=\frac{1}{x-3}+2$ **V.A. =** _____ **H.A. =** _____	**Domain:** _____ **Range:** _____

	**9.** $f(x)=\dfrac{-4}{x-3}$ **V.A. =** _____ **H.A. =** _____	**Domain:** _____ **Range:** _____
	**10.** $f(x)=\dfrac{1}{x+4}$ **V.A. =** _____ **H.A. =** _____	**Domain:** _____ **Range:** _____
	**11.** $f(x)=\dfrac{-2}{x+1}+3$ **V.A. =** _____ **H.A. =** _____	**Domain:** _____ **Range:** _____
	**12.** $f(x)=\dfrac{-1}{2x+3}+2$ **V.A. =** _____ **H.A. =** _____	**Domain:** _____ **Range:** _____