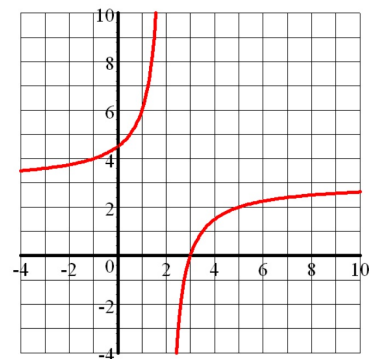


1. Q varies directly with C and the cube of M and inversely with W. Q=94,770 when C=5, M=6, and W=8.

a. Write a variation equation to model this statement.

b. Find M if Q=5000 when C=4 and W=3.

2. Write the equation of this transformation of the  $y = \frac{3}{x}$



3. Graph this reciprocal function. Show the asymptotes as dashed lines.

$$y = \frac{0.2}{x - 1} - 5$$

