1) Describe the transformations on the following graph of. State the placement of the horizontal asymptote and *y*-intercept after the transformation. For example, *left 1* or *rotated about the y-axis* are descriptions.



a) 

Description of transformation:

Equation(s) for the Horizontal asymptote(s):

*y*-intercept in (*x, y*) form:

b) 

Description of transformation:

Equation(s) for the Horizontal asymptote(s):

*y-*intercept in (*x, y*) form:

2) Describe the transformations on the following graph of. State the placement of the vertical asymptote and *x*-intercept after the transformation. For example, *left 1* or *stretched vertically by a factor of 2* are descriptions.



a) 

Description of transformation:

Equation(s) for the Vertical asymptote(s):

*x*-intercept in (*x, y*) form:

b) 

Description of transformation:

Equation(s) for the Vertical asymptote(s):

*x*-intercept in (*x, y*) form: