Section 3.2 Worksheet #3 Precalculus Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Period \_\_\_\_\_\_\_

1. Find the equation of the asymptote and the domain using interval notation of the following function.

  Equation of the asymptote \_\_\_\_\_\_\_\_\_\_\_ Domain \_\_\_\_\_\_\_\_\_\_\_

2. Sketch the graphs. Show the asymptote as a dashed line. Find the intercepts, if possible.

1. ![[image]]()![[image]]() b) 
2. ![[image]]()![[image]]() d) 

3. Use the graph of the parent graph  to describe the transformation that yields the graph of *h*.

a)  b)  c)  d) 