# 7-3 - Activity

Match the functions listed below to these indicated characteristics:

\_\_\_\_\_ vertical asymptote at x = 3.5; point of discontinuity at x = -2

\_\_\_\_\_ vertical asymptotes at x = 5 and x = -3; horizontal asymptote at y = -4

\_\_\_\_\_ domain of x:x ≠ -2.5, 4; zeros at x = -2 and x = 2

\_\_\_\_\_ domain of x:x ≠ -3; y-intercept at (0,-2);

end behavior  as  and  as .

\_\_\_\_\_ vertical asymptote at x = 4; point of discontinuity at x = 5

\_\_\_\_\_ vertical asymptotes at x = -1 and x = 6; horizontal asymptote at y = 0

\_\_\_\_\_ domain of x:x ≠ -2,7; y-intercept at (0,-.1429)

end behavior  as  and  as .

\_\_\_\_\_ vertical asymptotes at x = -4 and x = 4; horizontal asymptote at y = 1.5

\_\_\_\_\_ domain of x:x ≠ 2, 5; point of discontinuity at x = 2

\_\_\_\_\_ vertical asymptotes at x = -5 and x = 1.5; zeros at x = -3 and x = 3

Functions:

A. 

B. 

C. 

D. 

E. 

F. 

G. 

H. 

1. 

J. 