College Algebra, Math 1043 Quiz Name_____

Abedi

Match problems 1 – 11 with the graphs labeled Figure 1-Figure 11. (hint; determine wether the graph touches or crosses the x-axis at the zeros)

1. $y = x(x-1)(x-2)^2$___

2. $y = 2x^3(x-1)^2(x-2)$___

3. $y = x(x+2)(x-1)$_____

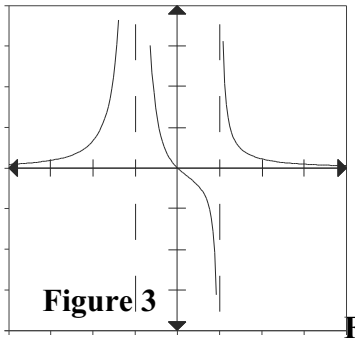

Figure 3

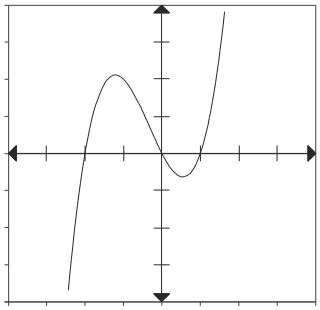

Figure 2

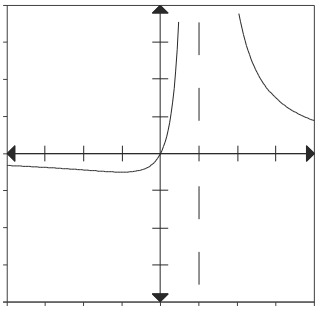

Figure 1

4. $y = -x^2(x-2)(x-1)$_____

5. $y = x^2(-2-x)$_____

6. $y = \dfrac{x}{(x-1)(x+1)^2}$_____

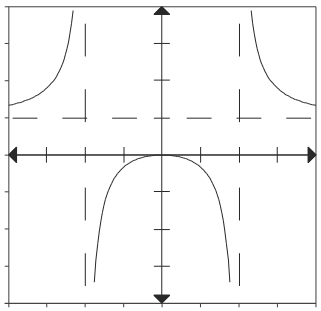

Figure 4

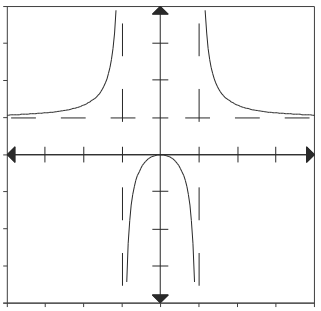

Figure 5

7. $y = \dfrac{x^2}{(x-1)(x+1)}$_____

8. $y = \dfrac{x^2}{(x-1)^2(x+1)}$_____

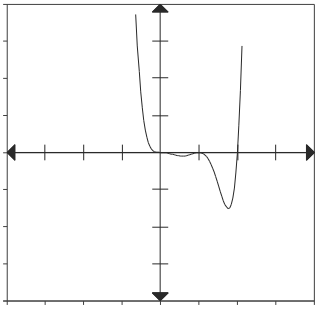

Figure 8

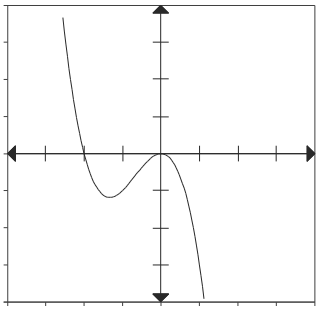

Figure 7

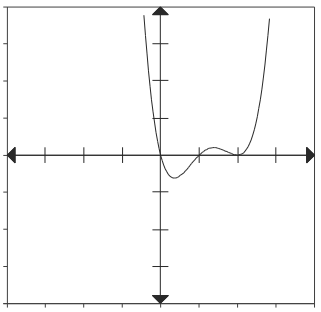

Figure 6

9. $y = \dfrac{2x}{(x-1)^2}$_____

10. $y = \dfrac{x^2}{(x-1)^2}$___

11. $y = \dfrac{x^2}{x^2-4}$___

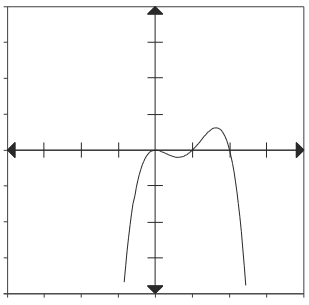

Figure 11

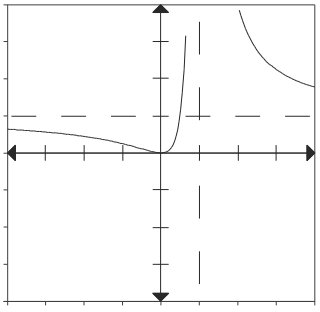

Figure 10

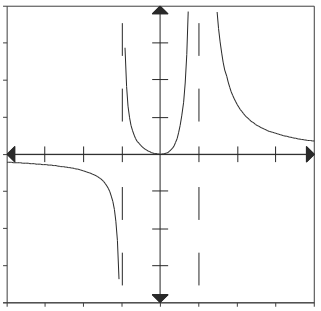

Figure 9