**ICM Final Exam Practice #2**

**Write the domain each function in interval notation.**

**7. **

**8. **

**9. **

**Write the range of each function in interval notation.**

**10. **

**11. **

**Evaluate each for f(x) = 3x2 + 2x – 1.**

**12.** 

**13.** 

**14.** 

**Change each radian measure to degree measure.**

**15. **

**16. **

**Change each degree measure to radian measure in terms of π.**

**17.** 130°

**18.** -300°

**Find the reference angle for each angle with the given measure.**

**19. **

**20. **

**21. **

**Find each exact value without looking at unit circle (you can sketch your own).**

**22. **

**23. **

**24. ** 120°

**25. ** 315°

**26. **

**27. **

**Use the graph to determine a)  b)  c) **

28.  29.  30. 

a) b) c) a) b) c) a) b) c)

Find the indicated limit. Write “DNE” if the limit does not exist. If the limit approaches infinity or negative infinity, indicate that as well.

31.  32. 

33.  34. 

35.  36. 

Determine the values of x, if any, at which each function is discontinuous. Write “continuous” if the functions contains no discontinuities. For each point where the function is discontinuous, tell whether it is a vertical asymptote or a removal discontinuity.

37.  38.  39. 