1. f(1)<0 and f(2)>0. Opposite signs and a continuous function…
2. 41
3. No, because the remainder is not zero.
4. ±1,±2, ±4, ±8, ±1/3, ±2/3, ± 4/3, ±8/3
5. -2,-2/3,
6. Four (all) real solutions; 3 negative, one positive.
7. 
8. No… not all positive.
9. Yes…
10. Positive:  Negative: 
11. Positive:  Negative: 
12. Domain: all real numbers except -5 and 6. Intercepts: (1.5,0), (4,0),(0,-.4)
13. Okay.
14. HA: y=0 VA: x=-4 hole: (1,.8)
15. HA: y=4 VA: x=3 hole: none
16. HA: none VA: x=-3 hole: none oblique: y=x-5
17. .
18. Okay.
19. Check with graphing calculator. It should be shifted down 1 and right 2 units.
20. Check with graphing calculator. This should be a reflection of the original curve about the line y=x.
21. Domain = all real numbers, Range =(-1,∞)
22. Domain = (0,∞), Range =all real numbers
23. 
24. 0
25. -7
26. 
27. 1.2323
28. x=0
29. 
30. 
31. 
32. 
33. Check with graphing calculator