Solve the equations. Be sure to check for extraneous solutions.

1.

2. x - 3 =

3. 2 =

4. 3 – 10 = 14

5. x = 5 + ( 3x – 11)

6. Describe the translation from the parent function, y = , of the graph to -3 – 2

7. Describe the translation from the parent function, y = of the graph to y = -

8. Describe the translation from the parent function y = of the graph to y = - ½ + 4

9. Find the inverse for the following relation. {(-3, 4), (2, -3) , (-4, 5), -1 . -3)}

10. Find the inverse equation for the following.

a) y = -3x – 12 b) y = -1/3x – 6

11. Graph the function y = -3 + 2



12. Graph the function y = 3 + 2



13. Graph the function y = -2 - 1



14. Sketch the asymptotes and graph the function y – 3



15. Graph the function y =

