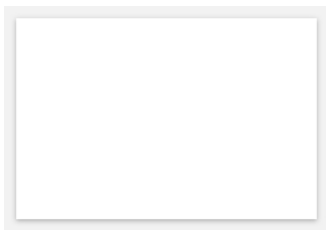


8.4 Corrective Assignment

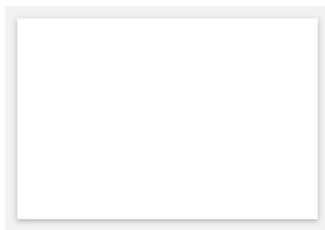


Solve the following equations using your graphing calculator. Include a sketch of your final window.

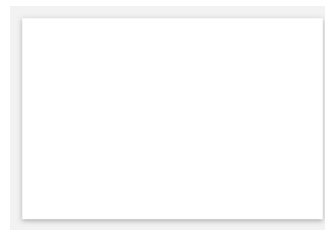
1. $x^2 - x + 6 = 2x + 10$



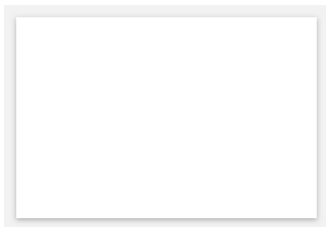
2. $24 = 16\left(\frac{1}{2}\right)^x$



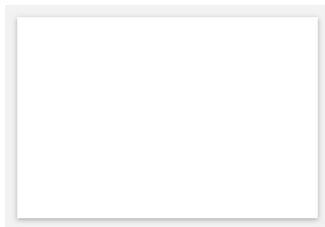
3. $|x + 7| - 10 = -|x + 8|$



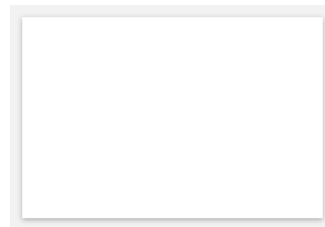
4. $-3x = x^2 + 1$



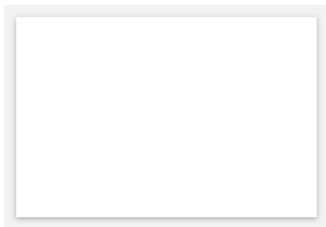
5. $-3x + 18 = x^2 + 20$



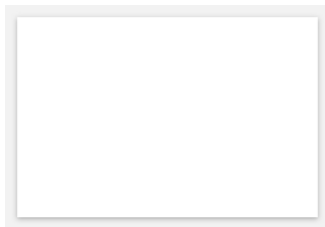
6. $x^4 + x^3 = 3x^2 + x - 2$



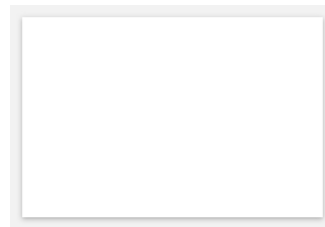
7. $12 - x^5 = x^5 + 12 - 4x^3 - 4x^2 - x$



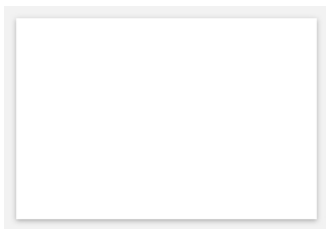
8. $-10\sqrt{x + 5} = -2x - 20$



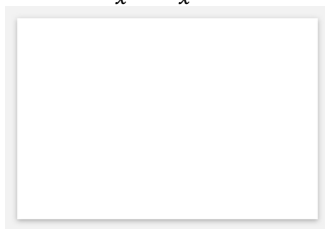
9. $-1000 = 4x^3 + 1$



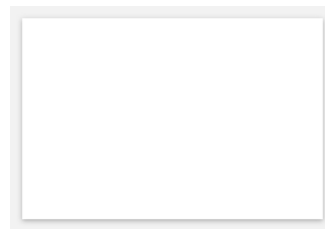
10. $-20(.5)^x = -50(.49)^x$



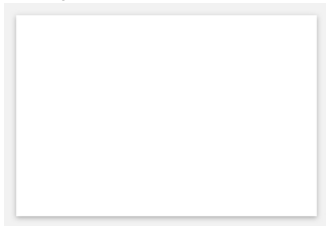
11. $\frac{1}{x^x} = \frac{1}{x}$



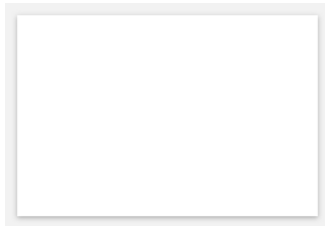
12. $\sqrt{x - 1} = 4x^{3-4x}$



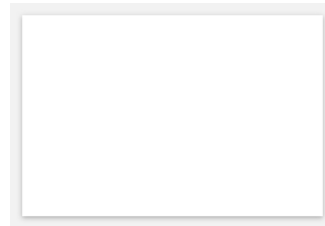
13. $\frac{1}{10}x - 22 = -2$



14. $x^2 + 11 = 11 + \sqrt{x}$



15. $2x = \sqrt{x} - 1$



1. $x = -1, x = 4$	6. $x = -2, x = -1, x = 1$	11. $x = 1$
2. $x = -0.58$	7. $x = -1, x = -2.41, x = -0.41$	12. $x = 1.61$
3. $x = -2.5, x = -12.5$	8. $x = 8.09, -3.09$	13. $x = 200$
4. $x = -2.62, x = -0.38$	9. $x = -6.30$	14. $x = 0, x = 1$
5. $x = -2, x = -1$	10. $x = 45.35$	15. No Solution!