Lab Practice 1

a. 1–6; randInt (1, 6)

b. Enter randInt (1, 6) and press ENTER twice; Add the two random numbers that were generated.

c. Answers will vary, but there should be three answers between 2 and 12. Sample: 8, 4, 8; 20 spaces

Lab Practice 2

a. $y = 2$, 8, 14 and 20, respectively; TblStart $= 2$; ΔTbl $= 3$

b. $y = 4$, 32, 60, and 88, respectively; TblStart $= 1$; ΔTbl $= 7$

c. Enter the equation that models the growth of the flower into the Y= editor.

d. Enter $y = 2x + 1$ for Y_1 and $y = 3x - 2$ for Y_2.

e. She should use TblStart $= 1$, because she will grow the flowers for at least one month.

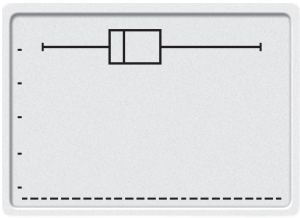
f. ΔTbl $= 1$, because she will measure their height at the end of every month.

g. Flower A: 3 inches after 1 month, 5 inches tall after 2 months, 7 inches tall after 3 months; Flower B: 1 inch after 1 month, 4 inches after 2 months, 7 inches after 3 months

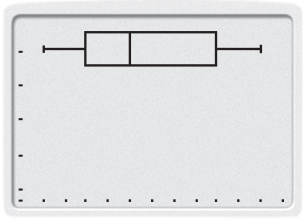
h. yes; They will both be 7 inches tall in 3 months.

Lab Practice 4

a.



b.

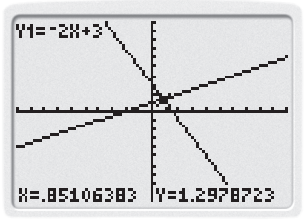


c. 63 inches

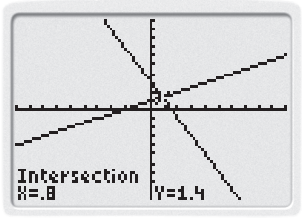
d. between 61 and 67 inches

Lab Practice 5

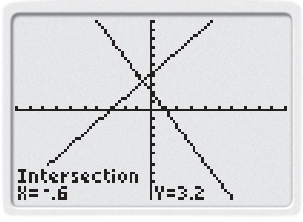
a. Sample: (0.851, 1.298)



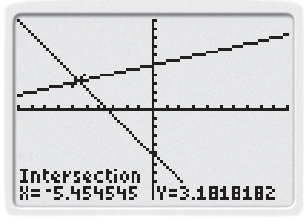
b. (0.8, 1.4)

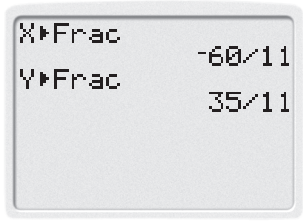


c. (−0.6, 3.2)

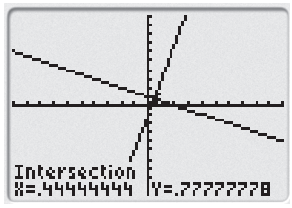


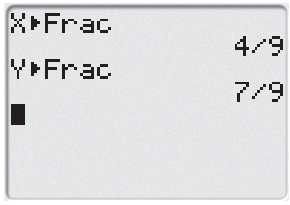
d. Sample: $\left(-\frac{60}{11}, \frac{35}{11}\right)$





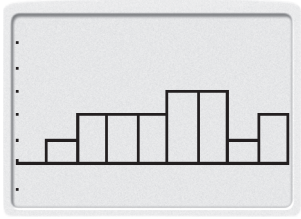
e. $\left(\frac{4}{9}, \frac{7}{9}\right)$





Lab Practice 6

1. a. Sample:

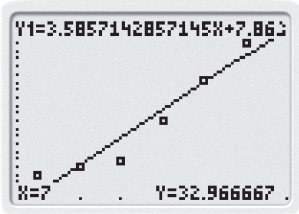


b. 6 people

c. B

d. no; Sample: The histogram shows the frequency of ages of musicians, not the number of times musicians in each age group went to rehearsal.

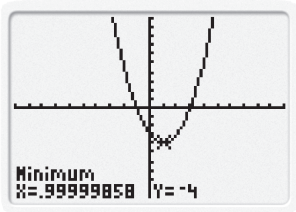
Lab Practice 7



$y = 3.586x + 7.867$;
about 33.0 megawatts

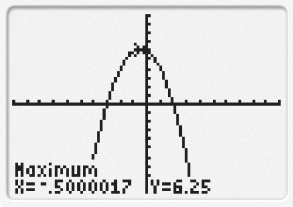
Lab Practice 8

a.



x-intercepts (−1, 0) and (3, 0) and minimum (1, −4)

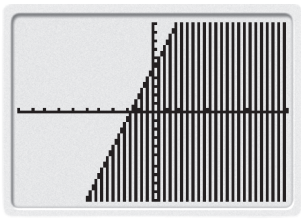
b.



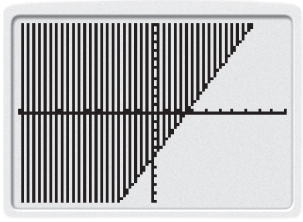
x-intercepts (−3, 0) and (2, 0) and maximum (−0.5, 6.25)

Lab Practice 9

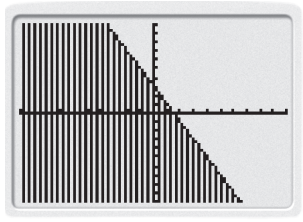
a. yes;



b. no;

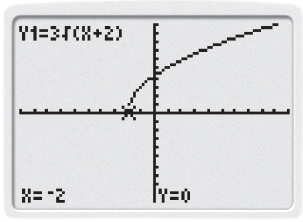


c. yes;

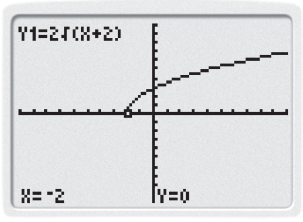


Lab Practice 10

a. $(-2, 0)$;

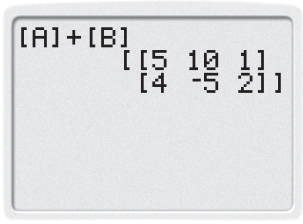


b. $(-2, 0)$;

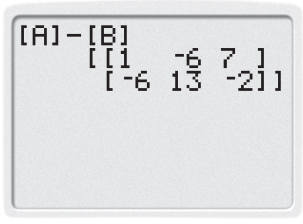


Lab Practice 11

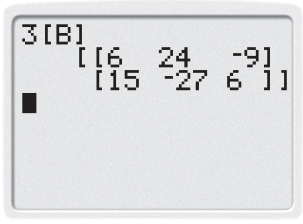
a.



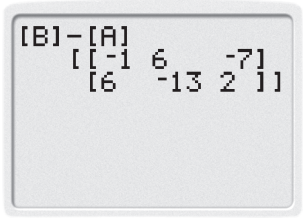
b.



c.



d.



e.