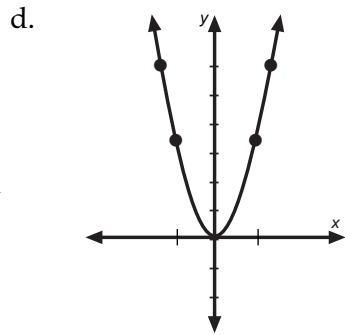
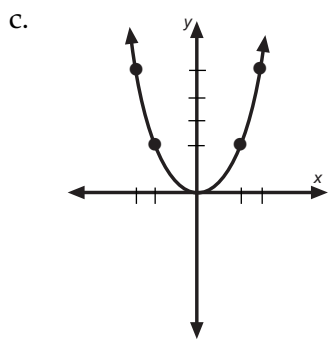
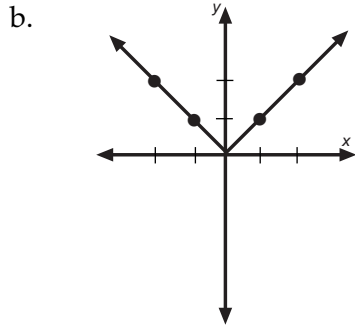
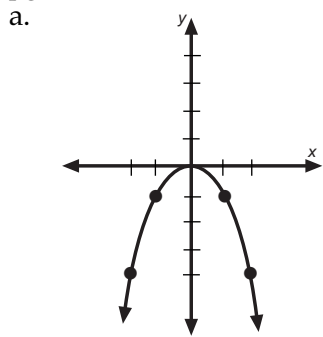


Corrections to CHALLENGE THE HSAP exercises and answer key

PRACTICE PROBLEM CORRECTIONS

pg.2 10.



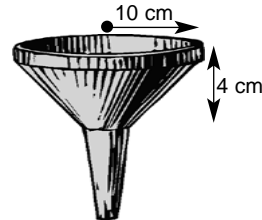
pg.4 19. b. Next = Now + 0.5

22. d. Generally, the more time you study the higher your grades will be.

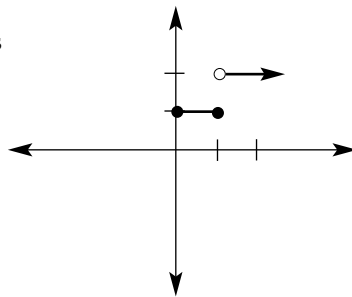
pg.5 26. c. $0 \leq P \leq 220$

d. $0 \leq P \leq 180$

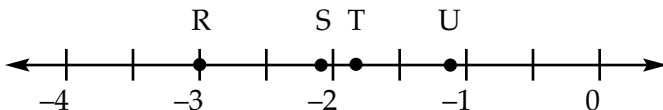
pg.7 35. insert the picture of a funnel with a radius of 10cm and 4cm in



pg.8 42. the graph needs tick marks



pg.22 1.



pg.24 1. the radical symbol should extend over the d ($s = \sqrt{24d}$)

pg.27 1. The number 8 is *best* described by which of the following?
 4. d. all of the above are true

pg.37 7. under **Steps**, a,b,c,d,e,f,g should be changed to 1, 2, 3, 4, 5, 6, 7
 9. If $x + 2 = y$, then $4(x + 2) = 4(y)$

pg.38 14. What property justifies the following steps in the proof?

pg.43 4. Find the square root(s) of the following:

pg.58 10. The first day of school you and 2 of your friends enter your math teacher's classroom. You see there are 30 empty seats. How many ways could you and your friends choose to be seated in this math class?
 14. a. 56

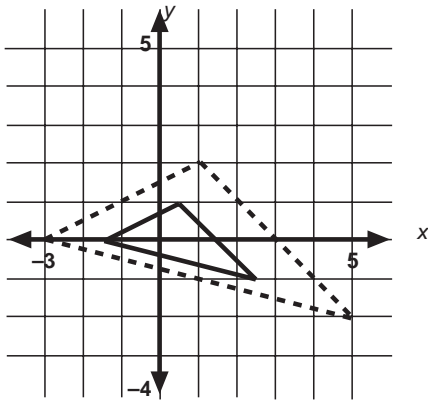
pg.66 1.b. solution: 30miles/gallon, because 20 divides into 500 twenty-five times

pg.78 19. $(2^1)^1 = 2^1 = 2$
 $(2^1)^2 = 2^1 * 2^1 = 2 * 2$
 $(2^2)^2 = 2^2 * 2^2 = (2 * 2 * 2) * (2 * 2 * 2)$
 $(2^3)^3 = 2^3 * 2^3 * 2^3 = (2 * 2 * 2) * (2 * 2 * 2) * (2 * 2 * 2)$
 $(2^n)^m =$

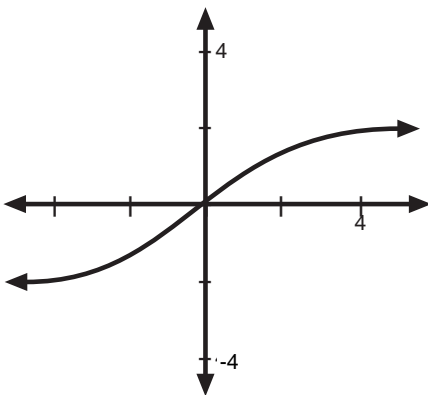
pg.88 4.a. Write a verbal and an algebraic model to find how many weeks you must save money to buy a CD.

pg.99 1. The coordinates of the vertices of quadrilateral ABCD are A(-2,4), B(3,7), C(4, -2), and D(-5,-3).

pg.101 10. The solid triangle in the graph needs to shift to the right 1/2 units



pg.107 2.



- pg.123 9. a. $y^2 - 12y - 2$
 b. $y^2 + 2y + 35$
 c. $y^2 + 2y - 12$
 d. $y^2 - 2y - 35$

pg.165 7. d. $x = (-1/3)y - 5$

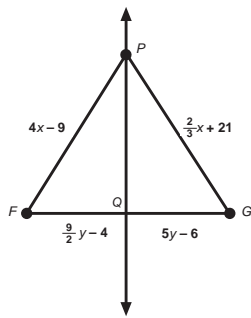
pg.174 5. b. The equation has two real solutions.

pg.186 1. If the area of a circle is known, the radius can be found by the formula $r = \sqrt{A/\pi}$. Find the radius of a circle if its area is 17.

pg.188 16. d. A rectangle is a rhombus.

pg.193 4. The figure on the right is a transformation of the figure on the left. What type of transformation was used?

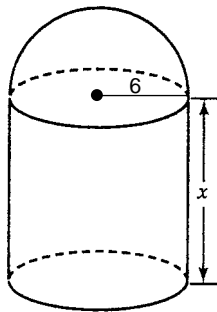
pg.222 8.



pg.228 2. A slide is applied to triangle PQR to make a new triangle P'Q'R'. If P was located at the origin and P' is located at (4,-2), what are the coordinates of point Q?

- pg.229 5. What is the image of (1,2) rotated 90° clockwise about the origin?
 5. b. (2, -1)
 8. d. 1/4

pg.254 1.



- pg. 273 2. delete the straight edge on the bottom (metric)
 6. a. 123°
 c. 137°
 7. b. 34°
 d. 46°

pg.307 8. c. Almost half of the students own fewer than 41 CD's

pg.308 the box-and-whisker plots for numbers 12 & 13 should be labeled A (for the top one), B (for the second one), C(for the third one), and D(for the last one).

pg.344 13. d. 6.2×10^7 sec

pg.345 16. a. about 31°

pg.346 23. under **Steps**, a,b,c,d,e,f,g should be changed to 1, 2, 3, 4, 5, 6, 7

pg.351

Input	0	1	2	3	4	5
Output	7	15	23	31	39	47

pg. 357 2. c. 0.0036 feet

pg. 358 6. b. solution: 30miles/gallon, because 20 divides into 500 twenty-five times

pg. 362 25. b. no, the total price would be less than the amount of money you have

30. c. Almost half of the students own fewer than 41 CDs.

pg.364 41. The figure on the right is a transformation of the figure on the left. What type of transformation was used?

pg. 366 54.a. 128°

54.c. 132°

ANSWER KEY CORRECTIONS

Diagnostic Test

34. c

35. d

39. a

44. b

58. b

PAGES 228-233

7. b

PAGES 268-270

5. b

PAGES 306-310

5. d

8. c

12. c

13. b

PAGES 57-60

14. a

PAGES 99-104 (open-ended)

2. current positions will vary based on where the student's original position is located

PAGES 313-316

8. d

PAGES 107-114

13. b

PAGES 340-342

5, b

PAGES 116-119

4. b

Practice Test 1

18. a

42. b

PAGES 129-136

9. d

Practice Test 2

PAGES 158-161

10. a

30. c

54. a

PAGES 186-190

1. a

15. c