N3CS20

Practice Set 21_{CV}

Instructions: Answer each question on loose leaf, quad-ruled (graph paper), headed properly and written in lead-graphite. Remember to fold paper along the center, work exercises in order top to bottom, left column then right column. Staple multiple pages

- 1. GV1 p281 #1
- 2. Gv1 p281 #2
- 3. Gv1 p281 #3
- 4. Gv1 p281 #4
- 5. Gv1 p281 #5
- 6. Gv1 p282 #6
- 7. GV1 P291 #1
- 8. GV1 p291 #2
- 9. Gv1 p291 #3
- 10. Gv1 p291 #4: Use the following Domain: $D: \{-5, -1, 2, 7\}$
- 11. Gv1 p291 #5: Use the following Domain: $D: \{-2,0,3,5\}$
- 12. Gv1 p291 #6: Use the following Domain: $D: \{-3, -2, 1, 6\}$
- 13. Gv1 p248 #12
- 14. Gv1 p249 #22
- 15. Gv1 p250 #24

16.

The diagonal of a rectangular foor is √40 feet long. 8.NS1

Part A: Select all of the sets of numbers to which √40 belongs.

□ real
□ integer
□ rational
□ whole
□ natural

Part B: Change one digit in √40 to a different digit so that the number belongs to a different set of numbers. Explain why

changing that digit changes the sats to which the number

17.

belongs.

Anju purchased a storage cube that has a volume of 10 cubic feet. She wants to put it on a shelf on her wall that is 24 inches below the celling. Will the cube fit? Explain your reasoning. 8.EE.2

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18.

| Angelo and Deborah are lendscapers. Angelo charges \$45.50 for each job plus \$15 on hour. Deborah charges \$20.50 for each job plus \$20 on hour. Select whether each statement is true or false. 8.EE.7, B.EE.76 | | | | | |
|--|-------|--|--|--|--|
| True | False | | | | |
| | | For 2 hours of work, Angelo charges more. | | | |
| | | For 6 hours of work, Deborah charges less. | | | |
| | | The constion 45 St + 15 = 20 St + 20 can be solved to find | | | |

hire either landscaper.

Doth landscapers charge the same emount for a 5-hour job.

the number of hours for which the total cost is the same to

19.

The radius of a circular fountain with area A can be approximated by solving the equation $\frac{A}{3} - r^2$. The area of the fountain is 84 square feet. 3.N3.2

Part A: Use a number line to estimate the value of the radius. Flot the square roots of the perfect squares between which the radius is located.



Part 9: Find the estimate of the radius of the discular fountain to the nearest foot.

20.

The table above the number of people living in the linead Sarab and in sock region of the country seconding to the 2000 center. Write the comed number 20 male well is believed that & BES REE 4

| z | 9 | 1 | 9 |
|----|-----|----|----|
| 20 | 30. | 60 | 50 |

| U.S. region | Population (approx.) | |
|---------------------|-------------------------|--|
| Northeast | 2.5 = 10" | |
| Midlows! | 87 × 10° | |
| South | 11×10 ⁶ | |
| West. | 32 × 101 | |
| United States (All) | 31 × 105 | |

The population of the South to about | three greater than the opposition of the Harmoset.

The population of the entire United States is about _______ state greater than the population of the Midwert stone.

21.

Yeardiey sold 3 times as many aris for the yearbook as Xevier. Xavier sold 8 fewer adaithen Yeardiey. The number of adaptid by each student can be represented by this system of equations: y = 3x and y = x + 8. 3.65 8, 8.65.85, 8.65.86.

Part.A: Graph the equations on the coordinate plane. Lebel the point of intersection.



Part B: What is the solution to the system of equations? What does the solution represent?