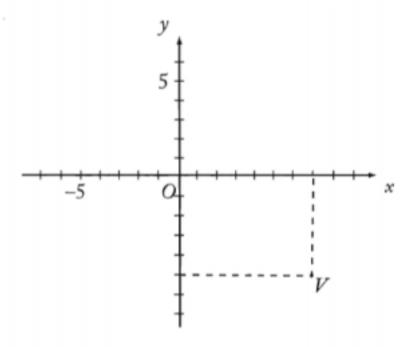
GMAT QUANT PRACTICE PAPER

A. \$4,000 B. \$2,200

| 1. In the xy-coordinate plane, two vertices of a square are at (5, 3) and (5, -2). Which of the following COULD NOT be the coordinates of another of the square's vertices? |
|---|
| A. (0, -2) |
| B. (0, 3) |
| C. (2, -3) |
| D. (10, -2) |
| E. (10, 3) |
| 2. A and B travel the same distance at speeds of 9Km/hr and 10Km/hr respectively. If A takes 36minutes |
| more than that of B, the distance traveled by each is |
| A. 48 km |
| B. 54 Km |
| C. 60 Km |
| D. 66 Km |
| E. None of these |
| 3. If $t=1x-1t=1x-1$, then in terms of $t,x+2x-1t,x+2x-1$ is equal to |
| A) t+3tt+3t |
| B) tt+3tt+3 |
| C) t3t+1t3t+1 |
| D) 3t+1t3t+1t |
| E) 3t+1 |
| 4. Which of the following is equivalent to $xy+2xy(1+y)2yxy+2xy(1+y)2y$? |
| |
| (A) $xy(2y+1)2xy(2y+1)2$ |
| (B) $(2xy+1)(2xy-1)(2xy+1)(2xy-1)$ |
| (C) $(2x+y)2(2x+y)2$ |
| (D) $(x+2y)2(x+2y)2$ |
| (E) $y(x-2y)2$ |
| 5. If money is invested at r percent interest, compounded annually, the amount of the investment will double in approximately 70/r years. If Chris invests \$1,000 in a bond that pays 4 percent interest, compounded annually, what will be the approximate total amount of the investment 35 years later? |

| | \$2,000 |
|--------|---|
| | . \$1,800 |
| | \$1,200 |
| | m x is 1/2 full of oil and drum y, which has twice the capacity of drum x is 2/3 full of oil. if all of |
| th | e oil in drum x is poured into drum y, then drum y will be filled to what capacity? |
| ۸ | 2/4 |
| | 3/4 |
| | 5/6 |
| | 11/12 |
| | . 7/6 |
| | 11/6 |
| | e "competitive edge" of a baseball team is defined by the formula \(\sqrt{\frac{W}{L}}\) where W |
| | presents the number of the team's wins, and L represents the number of the team's losses. This |
| - | ear, the GMAT All-Stars had 3 times as many wins and one-half as many losses as they had last year. |
| Ву | what factor did their "competitive edge" increase? |
| ٨ | \(\cart{2}\\) |
| | \(\sqrt{2}\) \(\sqrt{6}\) |
| | |
| | \(\sqrt{12}\) |
| | . 6 |
| | 12 |
| | ne probability of rain on any given day in City X is 50 percent, what is the probability that it rains |
| OI | n exactly 3 days in a 5-day period? |
| () |) 0/12E |
| | N) 8/125 |
| | 3) 2/25 |
| - | C) 5/16 |
| - | 0) 8/25 |
| • | i) 3/4 |
| | a purchased a car on an installment plan. She made a down payment of \$2,550 and then made n |
| | onthly payments of \$155 each. If Julia paid a total of \$9,060 for the car,how many monthly |
| pa | ayments did she make? |
| Δ | 30 |
| | 36 |
| | 42 |
| | . 48 |
| | 54 |
| | alking at 4/7th of his usual speed, Randy takes 15 minutes longer to cover the distance from home |
| | work. What is the time he needs to cover that distance at his usual speed? |
| | |
| | 20 min |
| | 24 min |
| _ | 25 min |
| | . 27 min |
| | 30 min |
| 11. Th | ne standard deviation of which of the following is equivalent to that of {m, r, p, n}? |
| | |

- A. 2m,2r,2p,2n2m,2r,2p,2n
- B. m+2,r+2,p+2,n+2m+2,r+2,p+2,n+2
- C. lml,lrl,lpl,lnllml,lrl,lpl,lnl
- D. 1/m, 1/r, 1/p, 1/n1/m, 1/r, 1/p, 1/n
- E. {m2,r2,p2,n2m2,r2,p2,n2}
- 12. How many different values of positive integer x, for which |x+8| < x|x+8| < x, are there?
 - A. 0
 - B. 2
 - C. 3
 - D. 8
 - E. 16
- 13. Steve traveled the first 2 hours of his journey at 40 mph and the remaining 3 hours of his journey at 80 mph. What is his average speed for the entire journey?
 - A. 60 mph
 - B. 56.67 mph
 - C. 53.33 mph
 - D. 64 mph
 - E. 66.67 mph
- 14. Which of the following lines in the xy-plane does not contain any point with integers as both coordinates?
 - (A) y = x
 - (B) y = x + 1/2
 - (C) y = x + 5
 - (D) y = x*1/2
 - (E) y = x/2 + 5



15.

In the figure above, the coordinates of point V are

- (A)(-7,5)
- (B)(-5,7)
- (C)(5,7)
- (D)(7,5)
- (E)(7,-5)

16. What is the probability of flipping a fair coin two times and the coin landing on heads on both flips?

- A. 1/8
- B. 1/4
- C. 1/2
- D. 3/8
- E. 3/4

17. A school supply store sells only one kind of desk and one kind of chair, at a uniform cost per desk or per chair. If the total cost of 3 desks and 1 chair is twice that of 1 desk and 3 chairs, then the total cost of 4 desks and 1 chair is how many times that of 1 desk and 4 chairs?

- A. 5
- B. 3
- C. 8/3
- D. 5/2
- E. 7/3

18. The average (arithmetic mean) of 6,8, and 10 equals the average of 7,9 and

- A) 5
- B) 7

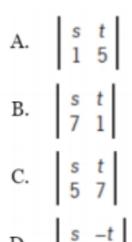
| ~ | 0 |
|--------------------|---|
| () | × |
| \sim $^{\prime}$ | U |

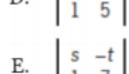
19. How many integers x satisfy both $2 < x \le 42 < x \le 4$ and $0 \le x \le 30 \le x \le 3$?

20. The sequence a1a1, a2a2, a3a3, ..., anan, ... is such that an=an-1+an-22an=an-1+an-22 for all $n \ge 3n \ge 3$. If a3=4a3=4 and a5=20a5=20, what is the value of a6a6?

- (A) 12
- (B) 16
- (C) 20
- (D) 24
- (E) 28

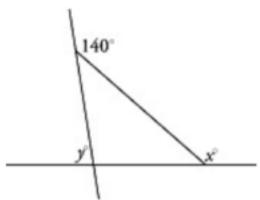
$$\begin{vmatrix} s & t \\ 1 & 3 \end{vmatrix} - \begin{vmatrix} -t & 2 \\ s & 4 \end{vmatrix} + \begin{vmatrix} 2 & 2 \\ t & s \end{vmatrix}$$





- 22. Portia purchased a laptop for \$480, but after checking the merchant's website realized that she had been overcharged by 20%. By how much, in dollars, was she overcharged?
 - A. \$24
 - B. \$48
 - C. \$80
 - D. \$96
 - E. \$100
- 23. Salad dressing A is made up of 30% vinegar and 70% oil, and salad dressing B contains 10% vinegar and 90% oil. If the 2 dressing are combined to produce a salad dressing that is 15% vinegar, dressing A comprises what % of the new dressing?
 - A. 15%
 - B. 20%
 - C. 25%
 - D. 40%
 - E. 55%
- 24. If n is an integer and 3n73n7 is a perfect square, the smallest possible value of n is
 - A. 3
 - B. 7
 - C. 21
 - D. 42

- 25. What is the area of an equilateral triangle whose one side length is 60?
 - A. 300√3
 - B. 400√3
 - C. 450√3
 - D. 600√3
 - E. 900√3



- 26. In the figure above, x + y =
 - A. 40
 - B. 120
 - C. 140
 - D. 180
 - E. 220
- 27. Which of the following is equivalent to 21232123?
 - A. 2424
 - B. 2222
 - C. 1212
 - D. 122122
 - E. 124
- 28. Of the final grades received by the students in a certain math course, 1/5 are A's, 1/4 are B's, 1/2 are C's, and the remaining 10 grades are D's. What is the number of students in the course?
 - (A) 80
 - (B) 110
 - (C) 160
 - (D) 200
 - (E) 400

| 29. | David has d books, which is 3 times as many as Jeff and 1/2 as many as Paula. How many books do |
|-----|--|
| 23. | the three of them have altogether, in terms of d? |
| | (A) 56*d56*d |
| | (B) 73*d73*d |
| | (C) 103*d103*d |
| | (D) 72*d72*d |
| | (E) 92*d |
| 30. | Donna gets a 10% increase in salary every two years. If her annual salary in 2004 was \$121,000, what was her annual salary in 2000? |
| | A. \$95,000 |
| | B. \$100,000 |
| | C. \$110,000 |
| | D. \$116,000 |
| | E. \$121,100 |
| | |
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