Name:

Assignment: Midterm Multiple Choice Analysis

Instructions: For each incorrect answer, identify the error that would lead to someone picking this correct answer. Use specific explanations. Writing "they mistakenly put a negative sign" is not specific enough. Writing "they thought that 14 - 18 was +4 instead of -4" or "they divided by 2 when they should have divided by -2" is specific enough. If your explanation requires you to put some work down to show what you mean, you should do that too.

11	Write 4 04	as a fractic	n in lowest t	erms. (Correct	· answer· D)

٨	1.	2
А.	7	5

B.
$$4\frac{4}{99}$$

B.
$$4\frac{4}{99}$$
 C. $4\frac{1}{20}$

D.
$$4\frac{1}{25}$$

Error that leads to A	Error that leads to B	Error that leads to C

3) Convert the mixed number $2\frac{3}{8}$ into a decimal. (Correct answer: C)

- A. $2.2\overline{6}$
- B. 2.3
- C. 2.375
- D. $2.\bar{6}$

Error that leads to A	Error that leads to B	Error that leads to D

11) Which of these is an irrational number? (Correct answer: C)

A.0.121212 ...

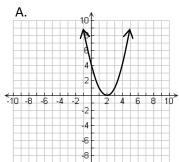
B. 0.85764

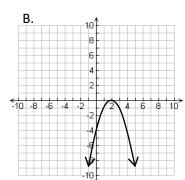
C. $\sqrt{50}$

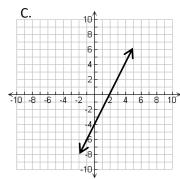
D. $\sqrt{100}$

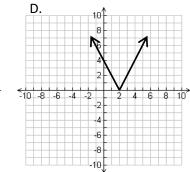
Error that leads to A	Error that leads to B	Error that leads to D

Х	0	1	2	3	4
b(x)					









Error that leads to B	Error that leads to C	Error that leads to D

22) Choose the table that is linear. (Correct answer: B)

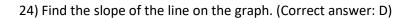
				`		
A.	Х	1	2	4	7	11
	у	5	10	15	20	25

	,		-	_		
_						
C.	Х	1	2	3	4	5
	V	20	16	11	5	1

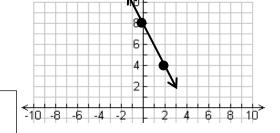
В.	Х	2	4	6	8	10
	у	11	14	17	20	23

D.	х	1	2	3	4	5
	у	1	3	9	27	81

	Error that leads to A	Error that leads to C	Error that leads to D
L			



- A. $\frac{1}{2}$
 - B. $-\frac{1}{2}$ C. 2
- D. -2

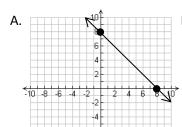


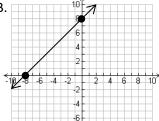
Error that leads to A

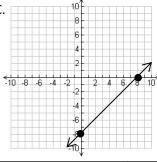
Error that leads to B

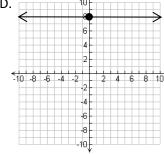
Error that leads to C

33) Which of these is the graph of the equation x + y = 8? (Correct answer: A)









Error	that	leads	to B
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Error that leads to C

Error that leads to D

35) Solve the equation: $\frac{1}{4}x + 16 = 20$ (Correct answer: C)

B. x = 4

C. x = 16

D. x = 64

Error that leads to A	Error that leads to B	Error that leads to D	

50) \	50) Which of these situations matches this graph? Note: the y-axis is speed! (Correct answer: A)				
,	A.	You are running at a quick pace. A eventually stop.	After a while, you get tired, so you slow	down and	
	B. You are at school, a long distance from home. When school is over, you walk home.			\	
(C. You are walking on a path. This path leads to a steep hill. You weren't looking where you			_	
	were going, so you trip and fall quickly all the way to the bottom.			Time	
	D.	You are taking a midterm in your	math class. You smile, because you hav	e just reached the end	d of the test.
		Error that leads to B	Error that leads to C	Error that le	eads to D
- 1					1

51) Choose TWO of the problems from your midterm that you missed. For each of these, say which answer you chose instead and explain why you missed the problem.

Problem #	Problem #