Name: Land Cremalen Date:					
Q	/5	Reason	T		
1	5	I get end behaviors		use diff	
2	5	First on notation is really easy, to comprendo!		corrections	
3	4	Same mistake for both. I y know how to tuckor;	3	5	
4	4	Cran priemary I sometimes. I isdate things I larget thous	3	did not finish	
5	5	I get it, again ent hehaiois au super seusy			
6	5	I know I understand synthetic			
7	4	I didn't read the direction although, I know the topic	3	2 (27-)	
YOUR TOTAL SCORE 32 /35					
1. Which topics are you still struggling with? Not really struggling, just more remoberly thing,					
2. V	Which a	topics are you feeling comfortable with? behavior, Conclusion, & synthetic	C	b. U, & 1 Uh	
3. What will you do in the next week to increase your learning?					
Probably do in the next week to increase your learning? Probably do prochee Sheet I still					

have on

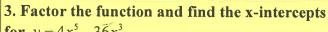
a) 10-5k+0

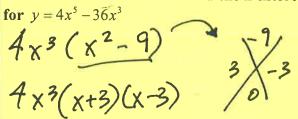


- b) $610v^{4} 9v^{5} + 6v^{2}$ 6
- 2. Write the end behavior function notation for $-n^3 + 2n^2 + n^5$

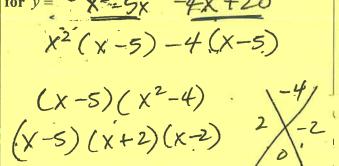
As $x \to -\infty$,	$f(x) \rightarrow$	+00
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as x > -0, f(x) > -00





4. Factor the function and find the x-intercepts for
$$y = \frac{x^2 - 5x}{2} - 4x + 20$$



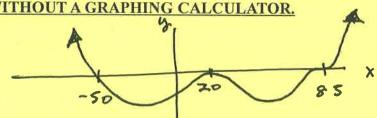
Factored Form:
$$4x^3(x+3)(x-3)$$

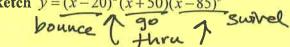
x-intercepts:
$$(0,0)$$
 $(-3,0)$ $(3,0)$

Factored Form: (X-5)(X+2)(X+2)

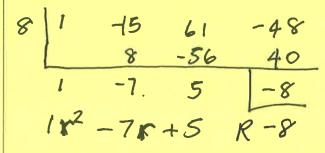
x-intercepts: (5,0)(-2,0)(2,0)

5. Using end behavior and the three types of x-intercepts, sketch $y = (x-20)^2(x+50)(x-85)^3$ WITHOUT A GRAPHING CALCULATOR.



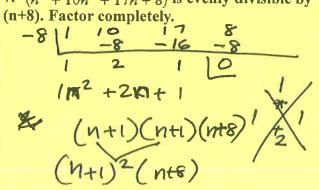


6. Divide: $(r^3 - 15r^2 + 61r - 48) \div (r - 8)$



Solution: $x^2-7x+5+\frac{8}{5-8}$

7. $(n^3 + 10n^2 + 17n + 8)$ is evenly divisible by



Factored form (ntl) (n+8

a) $10 - 5k + 10k^5$



b) $-10v^4 - 9v^5 + 6v^2$



2. Write the end behavior function notation for $-n^3 + 2n^2 + 1$



As x > 00 fl - 00

3. Factor the function and find the x-intercepts for $y = 4x^5 - 36x^3$

4. Factor the function and find the x-intercepts

for
$$y = x^3 - 5x^2 - 4x + 20$$

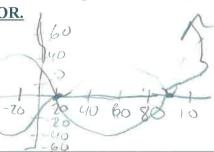
 $\chi^2(x-5) - 4(x-5)$

Factored Form: $43(1^2-9)$

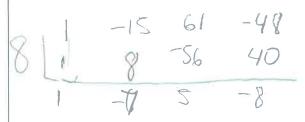
Factored Form: $\chi^2(\chi-5)-4(\chi-5)$

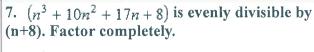
5. Using end behavior and the three types of x-intercepts, sketch $y = (x-20)^2(x+50)(x-85)^3$

WITHOUT A GRAPHING CALCULATOR.



6. Divide: $(r^3 - 15r^2 + 61r - 48) \div (r - 8)$







Solution:



Factored form $k^{2} + 2k + 1$

C Massiv Date:

Q	/5		T
1 (1947)	包	1 Forget about the (310 GOO merces	
2	4		
3	E S	I forget to take out the to one that is what confused be one I torget about X.	
4	5) fully understand 14.	
5	2	I keep fargetting that you want our two of the chair you want to the chair you want to the the paner. But I understand the bounce? Stronght cand some?	4
6	3	I understand the consept but I must up my putting the 8 Insteu of a I which wessed me up.	4
7	2	I forgot to Factor computery	
	1 2 3 4	1 2 4 3 A 5 5 2 6 3	1 locus their 5 was odd and it was possitive so it & () but if forgot about the OID and member it () I inseed of () 2 4 I think I am getting to understult think I deserve a 5. 3 1 Forgot to take out the 4 and I know to what is wheat confused or and I know to both X. 4 5 1 Folly understand it. 5 2 I keep fargithing that you don't was the # of year. But I understand the banes & stronght can be seen. 6 3 1 understand the consept but I have banes & stronght can be seen. 7 1 forgot to Factor

Correct and behavior & x-int.

otherwise conce

YOUR TOTAL SCORE 21

1. Which topics are you still struggling with?

2,3,5,7

2. Which topics are you feeling comfortable with?

1,4,6

3. What will you do in the next week to increase your learning?

I need to look over us and ask q's. I need extre ws

Source: Esther Song, Niles West High School

for hw-

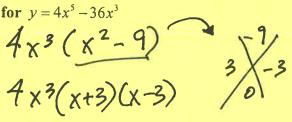
a) 10 - 5k + 0



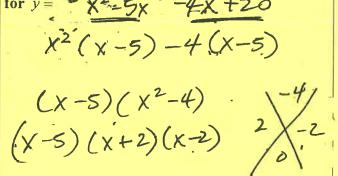
- b) $(-9v^5 + 6v^2)$ At ()
- 2. Write the end behavior function notation for $-n^3 + 2n^2 + n^5$
- As $x \to -\infty$, $f(x) \to +\infty$
- as x > -00, f(x) > -00



3. Factor the function and find the x-intercepts



4. Factor the function and find the x-intercepts for
$$y = \frac{x^2 - 5x}{2} - 4x + 20$$



Factored Form:
$$4x^3(x+3)(x-3)$$

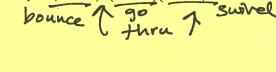
x-intercepts: (0,0) (-3,0) (3,0)

Factored Form: (X-5)(X+2)(X+2)

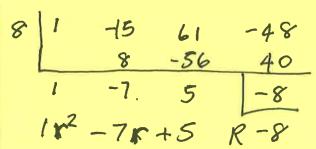
x-intercepts: (5,0)(-2,0)(2,0)

5. Using end behavior and the three types of x-intercepts, sketch $y = (x-20)^2(x+50)(x-85)^3$ WITHOUT A GRAPHING CALCULATOR.

bounce 7 Survel



6. Divide: $(r^3 - 15r^2 + 61r - 48) \div (r - 8)$



$$(n+8)$$
. Factor completely.
 $-8 \begin{bmatrix} 1 & -8 & -16 & -8 \\ -8 & -16 & -8 \end{bmatrix}$
 $(n+1)(n+1)(n+8)$

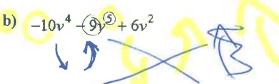
7. $(n^3 + 10n^2 + 17n + 8)$ is evenly divisible by

Solution: $x^2 - 7x + 5 + \frac{-8}{5-8}$

Factored form (ntl) (n+8.

- 1. Sketch the end behavior for each polynomial
- a) $10 5k + 10k^{(5)}$





2. Write the end behavior function notation for $-n^3 + 2n^2 + n^5$

As $x \to -\infty$, $f(\chi) \longrightarrow$

- 3. Factor the function and find the x-intercepts for $y = 4x^5 - 36x^3$

x3 (4x2-36)

4. Factor the function and find the x-intercepts for $y = (x^3 - 5x^2)(-4x + 20)$

 $\chi^{2}(x-5)-4(x-5)$

 $(x^2-4)(x-5)$

Factored Form:

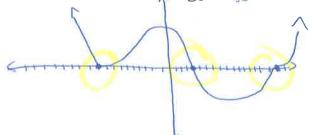
Factored Form: (X-4)(X-5)

x-intercepts:

x-intercepts: (5,0)(-2,0)(2,0)

5. Using end behavior and the three types of x-intercepts, sketch $y = (x-20)^2(x+50)(x-85)^3$

WITHOUT A GRAPHING CALCULATOR.



6. Divide: $(r^3 - 15r^2 + 61r - 48) \div (r - 8)$

8 1 -15 61 -48 8 49 453 3576

7. $(n^3 + 10n^2 + 17n + 8)$ is evenly divisible by (n+8). Factor completely.

Solution: $8\chi^2 + 49\chi + 453 = \frac{3576}{(\gamma - 8)}$

Factored form $\chi^2 + 7\chi + 1$

Q	/5	Reason	Т	
1	5/4	I who stood the end believed of cold degree		
2	SK	I wok the further notify		
3	5/5	Funder Stood for to Fide		
4	4/5	I took know how to bit But I made the wrong exception	3	List not properly
5	SK	I unde Stadd how to complex the Polyhomis 1 00 how it related the Polyhomis 1 00 how it related	2	incorrect behaviors
6	4	I know how to do the Problem But I Gotto did not Rt iting to the vight form		incorrect polynomias answer 12-7r+5
7	2/5	I know kegom the first stab But I could mot finish it		25/35

YOUR TOTAL SCORE 30 /35

1. Which topics are you still struggling with?

Low to factor after dividing Poly nomenal!

2. Which topics are you feeling comfortable with?

Cll but tocking divided Polynomegl

3. What will you do in the next week to increase your learning?

Portice whet In mot Street On.

Period: Polynomials Quiz 2

1. Sketch the end behavior for each polynomial

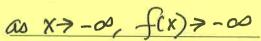
a) 10 - 5k + 0



b) 0100 905 6v2

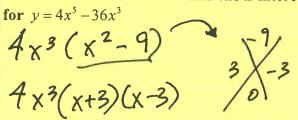
2. Write the end behavior function notation for $-n^3 + 2n^2 + n^5$

As $x \to -\infty$, $f(x) \to +\infty$

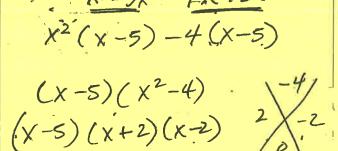




3. Factor the function and find the x-intercepts

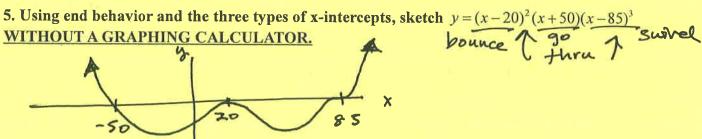


4. Factor the function and find the x-intercepts for $y = \frac{2}{5} \times \frac{2}{-4} \times \frac{1}{20}$

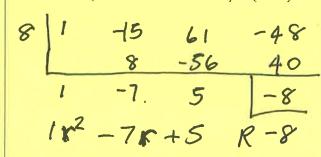


Factored Form: $4x^3(x+3)(x-3)$ x-intercepts: (0,0) (-3,0) (3,0)

Factored Form: (X-5)(X+2)(X-2) x-intercepts: (5,0) (-2,0) (2,0)



6. Divide: $(r^3 - 15r^2 + 61r - 48) \div (r - 8)$



7. $(n^3 + 10n^2 + 17n + 8)$ is evenly divisible by (n+8). Factor completely. -8 1 10 17 8 1 2 1 0

(n+1)(n+1)(n+8) / 51 (n+1)2 (n+8)

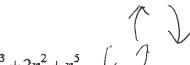
Solution: $x^2-7x+5+\frac{-8}{5-8}$

Factored form (ntl) (n+8

a) $10 - 5k + 10k^5$



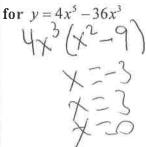
b) $-10v^4 - 9v^5 + 6v^2$



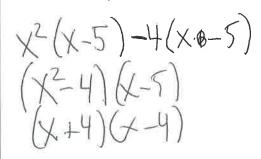
2. Write the end behavior function notation for $-n^3 + 2n^2 + n^5$



3. Factor the function and find the x-intercepts



4. Factor the function and find the x-intercepts for $y = x^3 - 5x^2 - 4x + 20$



Factored Form: $4\chi^3(\chi-3)(\chi+3)$

x-intercepts: (0) (3.0)

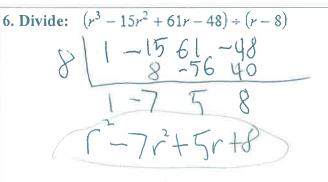
Factored Form: (X-5)(X-4)(X+4

x-intercepts: (50)(40)

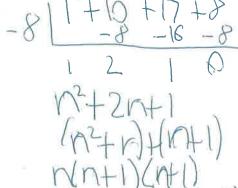
5. Using end behavior and the three types of x-intercepts, sketch $y = (x-20)^2(x+50)(x-85)^3$ dusta = 6

WITHOUT A GRAPHING CALCULATOR.





7. $(n^3 + 10n^2 + 17n + 8)$ is evenly divisible by (n+8). Factor completely.



Solution: (5-72+5)

Factored form

Name: YARA BARROSA

Date: $\frac{2}{12}/13$

Q	/5	Reason	Т
1		A knew whether the end behaviors went up or down	
2	5	A know what the end behavior was supposed to look like, and how to write a function	
3	5	A factores it completely and got it right	
4		a began right, but then A forgot to beep going	
5	34	A forgot to add up the degrees	3
6	4.5	I did 5x8 wrong. silly mistake	4
7	0	I was confused on whether I could use the original may of dividing or not	

incorrect behavior at x = 20.

remainder written as $\frac{-8}{1-8}$

YOUR TOTAL SCORE 26.5/35

1. Which topics are you still struggling with?

Factoring

2. Which topics are you feeling comfortable with?

dividing, end bhaviors

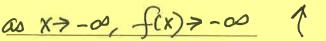
3. What will you do in the next week to increase your learning?

practice problems, ask questions

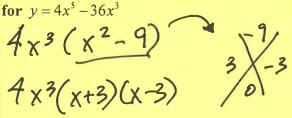
- 1. Sketch the end behavior for each polynomial
- a) 10-5k+10k



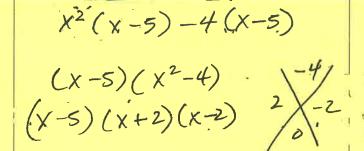
- b) $\Theta_{10\nu} = 9\nu^5 + 6\nu^2$
- 2. Write the end behavior function notation for $-n^3 + 2n^2 + n^5$



3. Factor the function and find the x-intercepts



4. Factor the function and find the x-intercepts for $y = \frac{x^2 - 5x^2 - 4x + 20}{}$

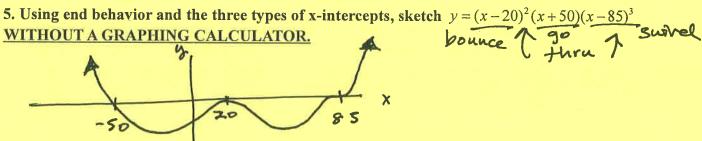


Factored Form: $4x^3(x+3)(x-3)$

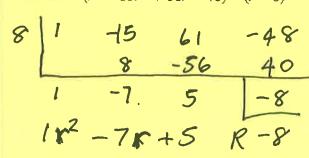
x-intercepts: (0,0) (-3,0) (3,0)

Factored Form: (X-5)(X+2)(X-2)

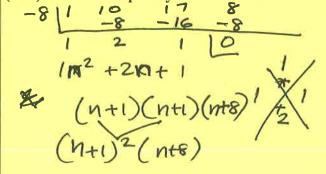
x-intercepts: (5,0)(-2,0)(2,0)



6. Divide: $(r^3 - 15r^2 + 61r - 48) \div (r - 8)$



7. $(n^3 + 10n^2 + 17n + 8)$ is evenly divisible by



- Solution: $x^2 7x + 5 + \frac{-8}{5-8}$
- Factored form (ntl) (nt8.

a) $10-5k+10k^5$



b) $-10v^4 - 9v^5 + 6v^2$



As $x \to -\infty$, $f(x) \to -\infty$

as x > +00, f(x) -> +00

3. Factor the function and find the x-intercepts for $y = 4x^5 - 36x^3$

for
$$y = 4x^5 - 36x^3$$

 $4\pi^3 (x^2 - 9)$
 $4\pi^3 (x - 3) (x + 3)$

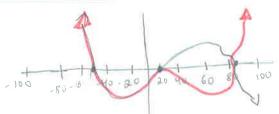
4. Factor the function and find the x-intercepts **for** $y = x^3 - 5x^2 - 4x + 20$

$$\chi^{2}(\chi-5)-4(\chi+5)$$
 $(\chi^{2}-4)(\chi-5)$
 $(\chi-5)(\chi+2)(\chi-2)$

Factored Form: $\frac{4}{3}(x-3)(x+3)$ x-intercepts: (3,0)(-3,0)(0,0) Factored Form: $\chi^{2}(\chi-5) = \chi(\chi+5)$

x-intercepts: (-3,0)(5,0)(2,0)

5. Using end behavior and the three types of x-intercepts, sketch $y = (x-20)^2(x+50)(x-85)^3$ WITHOUT A GRAPHING CALCULATOR.



DEEPLE: 6

6. Divide: $(r^3 - 15r^2 + 61r - 48) \div (r - 8)$

7. $(n^3 + 10n^2 + 17n + 8)$ is evenly divisible by (n+8). Factor completely.

$$(n+1)^{2}$$
 $(n+8)$ $(n+1)^{2}$ $(n+8)$

Factored form (MSMM) (n+1) (n+8)

Solution: $r^2 - 7r + 5$ R^{-8}