## Analyzing Parent Functions

Parent Graph Name: Absolute Value y= |x| Parent Equation: b) Description of Transformation: negative orientation with a vertical stretch of 3, translated 2 units to the right c) Sketch Transformed Graph, T(x)(Parent is already shown) Write coordinates of the new locator point. e) Write Transformation function, T(x)List domain of T(x) \_\_\_\_\_\_List range of T(x) \_\_\_\_\_ A) List equation(s) of any asymptotes of T(x) h) Describe any symmetry Parent Graph Name: Exponential Growth (a) Parent Equation: **b** Description of Transformation: Translate down 6 UNITS X ) Sketch Transformed Graph, T(x)(Parent is already shown) Write coordinates of the new locator point. Write Transformation function, T(x)List domain of T(x) \_\_\_\_\_\_List range of T(x) \_\_\_\_\_ 4) h) Describe any symmetry ) List equation(s) of any asymptotes of T(x)

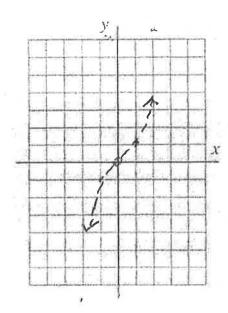
## **Analyze Transformations**

Name \_\_\_\_\_\_

(3) Parent Graph Name: Cubic



- b) Description of Transformation:
- c) Sketch Transformed Graph, T(x) (Parent is already shown)
- d) Write coordinates of the new locator point.
- e) Write Transformation function, T(x)

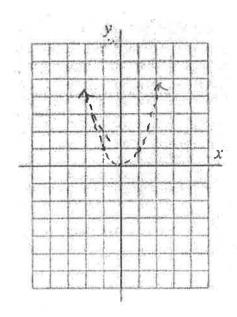


f) List domain of T(x) \_\_\_\_\_\_List range of T(x) \_\_\_\_\_

- g) List equation(s) of any asymptotes of T(x)
- h) Describe any symmetry



- h) Parent Equation:
- i) Description of Transformation:
- j) Sketch Transformed Graph, T(x) (Parent is already shown)
- k) Write coordinates of the new locator point.
- I) Write Transformation function, T(x)



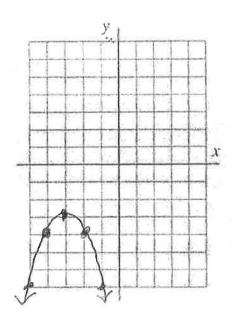
m) List domain of T(x) \_\_\_\_\_\_List range of T(x) \_\_\_\_\_

- n) List equation(s) of any asymptotes of T(x)
- h) Describe any symmetry

0)	Parent Equation:			<u> </u>			H	1	
p)	Description of Transformation: Translate 3 Units right and 5 units up					Į.	4		X
q)	Sketch Transformed Graph, $T(x)$			K-	7	+		1	
r)	Write coordinates of the new locator point.				Y		Ħ		
s)	Write Transformation function, $T(x)$								1
t)	List domain of $T(x)$	List range (	of $T(x)$						
u)	List equation(s) of any asymptotes of $T(x)$	h) Descrik	be any s	sylliili	ieti y	1			
u)	List equation(s) of any asymptotes of $I(x)$	h) Descrik	be any s	symm	ietry	,			
u)	List equation(s) of any asymptotes of $I(x)$	h) Descrik	se any s	Syllilli	ieti y	′			
	List equation(s) of any asymptotes of $I(x)$ rent Graph Name:	h) Descrik	se any s	Syllill	y		v	¥	. 0
Pa		h) Describ	Je any s	Syllin	<i>y</i> .				
Pa v)	rent Graph Name:	h) Describ	Je any s	SYIIIII	y.				
Pa v)	rent Graph Name:  Parent Equation: $y = \frac{-1}{x^2}$	h) Describ	Je any s	SYIIIII	<u>y</u>				
Pa v)	rent Graph Name:  Parent Equation: $y = \frac{-1}{x^2}$	h) Describ	Je any s	SYIIIII	<u>y</u>				
Pa v) w)	rent Graph Name:  Parent Equation: $y = \frac{1}{x^2}$ Description of Transformation:  Sketch Transformed Graph, $T(x)$	h) Describ	Je any s		<u>y</u> .				
Pa v) w) x)	rent Graph Name:  Parent Equation: $y = -\frac{1}{x^2}$ Description of Transformation:  Sketch Transformed Graph, $T(x)$ (Parent is already shown)	h) Describ	Je any s		<i>y</i>				

Work	Back	cwards
Startiv	g from	n graph

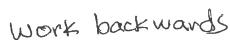
- Parent Graph Name:
  - a) Parent Equation:
  - b) Description of Transformation:
  - c) Sketch Transformed Graph, T(x)(Parent is already shown)
  - d) Write coordinates of the new locator point.
  - e) Write Transformation function, T(x)



List domain of T(x) \_\_\_\_\_\_List range of T(x) \_\_\_\_\_

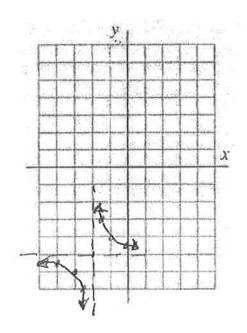
g) List equation(s) of any asymptotes of T(x)

h) Describe any symmetry



## **Parent Graph Name:**

- h) Parent Equation:
- Description of Transformation:
- Sketch Transformed Graph, T(x)(Parent is already shown)
- k) Write coordinates of the new locator point.
- Write Transformation function, T(x)



m) List domain of T(x) \_\_\_\_\_\_List range of T(x) \_\_\_\_\_

- n) List equation(s) of any asymptotes of T(x)
- h) Describe any symmetry



		Name	PERSON PUZZ	a Na Ki	<b>-</b> MU		MONOMIALS	
Oth P	rojet.	NAME_		-		DATE		
Servir Trena Widel Stated	ng Jew Sendl ly reco	er (1910-2008 ognized for a	in German occupied territory do b) was a Roman-Catholic nurse a heart dedicated to serving o and with my help is the justificat	and s thers,	ocial v Sendle	vorker. er once		
		NS: Simplify e statement of	the following expressions. The orrectly.	word	or phr	ase next to tl	ne equivalent expression wil	
1	$(3x^2)$	$(10x^4)$	-	2.	$(a^5b^7)$	$(a^3b^6)$		
8			s born in, Poland in 1910.				at Warsaw University	
	a.	13x8	Krakow		a.	a <sup>53</sup> b <sup>76</sup>	education	
	b.	30x8	Lodz		b.	a <sup>15</sup> b <sup>42</sup>	medicine	
	c.	30x <sup>6</sup>	Warsaw		c.	a8b13	Polish literature	
	57							
3.	$(5m^3)$	$(n^7)(8mn^4)$		4.	$(\frac{1}{2}\chi^{5})$	$r^3$ )(4 $x^2y$ )(3 $x$ )		
	-		pended from the school as a	27	~		Var II, she served as head	
			est against the; a form of			_	dren's section of Zegota, a	
			e seating of students.	idi.			organization.	
	a.	40m³n¹¹	gender divide system		a.		_	
	Ъ.	40m4n11	ghetto-bench system		b.	•	resistance	
	c.	13m <sup>5</sup> n <sup>10</sup>	nationalized row system		c.	$6x^7y^3$	social welfare	
11		9	*\frac{1}{2}					
5.	$(-3x^{2})$	1)2	8 00	· 6.	$(\frac{1}{4}a^4b)$	<sup>5</sup> )2		
	Und	ercover as a	plumbing specialist, Sendler	on the second	With	the assistar	nce of other Zegota member	
Sec.	smu	ggled Jewish	infants out of the ghettos in a		A 12 TO 12 T	MANAGEMENT (CENTRO) (CS) = 11 TA-1-	ughly Jewish childre	
1	144	Capallan I of				ng the Holo		
A.	a.	-9x8	burlap sack		a.	1 a8b10	25	
	Ъ.	9x <sup>6</sup>	raincoat		b.	16a6b7	250	
	C.	9x8	tool box		Ç.	$\frac{1}{16}a^8b^{10}$	2,500	
			29			16	2,000	
) T			1.5		4	181		
7.	(5xy	$(2x^5y^2)^3$		8.	$(\frac{1}{2}m^3)$	n²)²(8mn)(-2n	n <sup>4</sup> n <sup>6</sup> )	
16. 19.			discovered by the Nazis she		r.		ool students in Kansas stage	
1	was beaten and suffered				a play based on Sendler's life, titled			
	a.	$200x^{17}y^{12}$	broken arms and legs		whic	ch was adapt	ted to a Hollywood film.	
	b.	$10x^{12}y^{10}$	internal bleeding		a.	4m8n6	Holocaust Heroine	
	c.	150x15y14	loss of hearing		b.	-4m <sup>11</sup> n <sup>11</sup>	Life in a Jar	

b.

C.

-4m<sup>11</sup>n<sup>11</sup>

-8m14n12

Life in a Jar

Underwraps