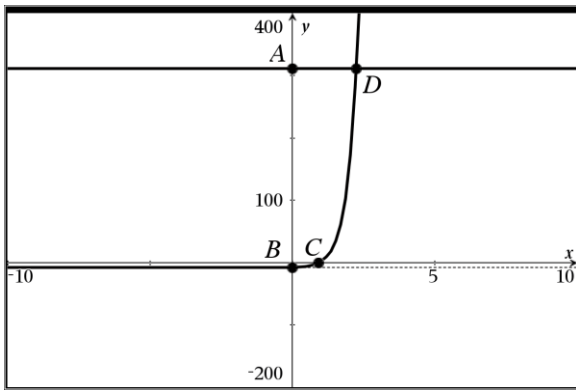


SHOW ALL OF YOUR WORK IN A CLEAR AND EASY TO FOLLOW MANNER

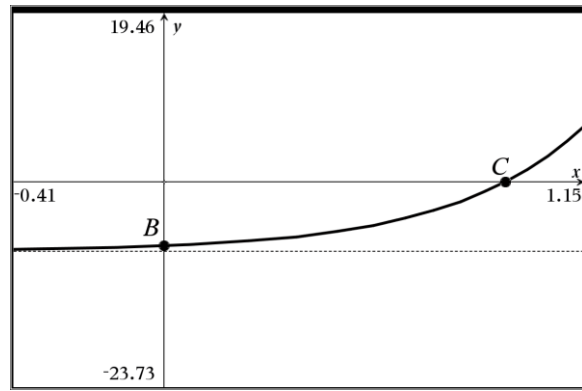
Give an exact and approximate answer when necessary (attempt this problem WITHOUT the use of LOG)

1. $5 \cdot 2^{4x-3} - 8 = 312$

Graph of the related system



Graph of the related system



2. Show the ALGEBRA necessary to find point C

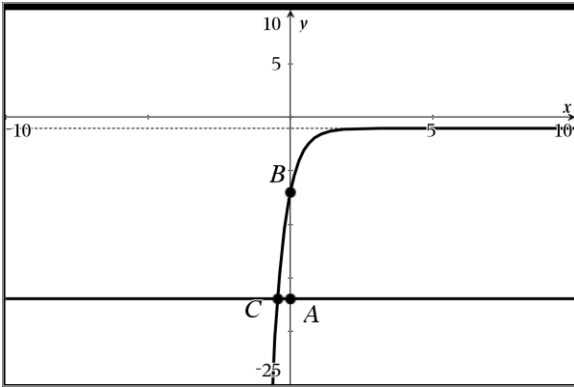
3. Complete the related table

Point A	Point B	Point C	Point D	Horizontal Asymptote
	Exact	Exact	Exact	
	Approximate	Approximate	Approximate	

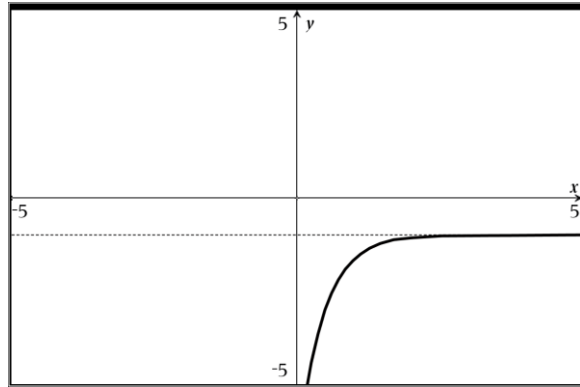
Give an exact and approximate answer when necessary (You will need the use of a logarithm for this problem)

4. $-2 \cdot 3^{-2x+1} - 1 = -17$

Graph of the related system



Graph of the related system



5. Complete the related table

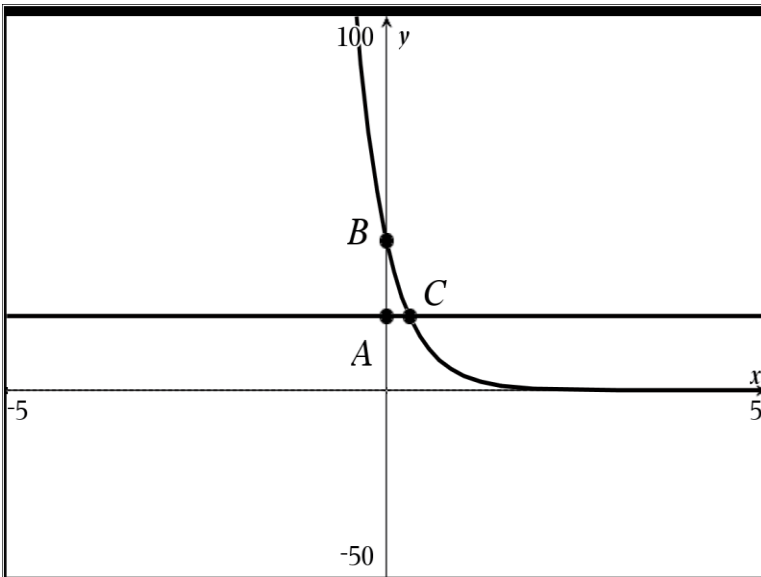
Point A	Point B	Point C	Horizontal Asymptote
	Exact	Exact	
	Approximate	Approximate	

Extra Credit 1: Give an example of how you intend to keep your mind active over the summer

Give an exact and approximate answer when necessary (You will need the use of a logarithm for this problem)

6. $4 \cdot 10^{-x+1} = 20$

Graph of the related system



7. Complete the related table

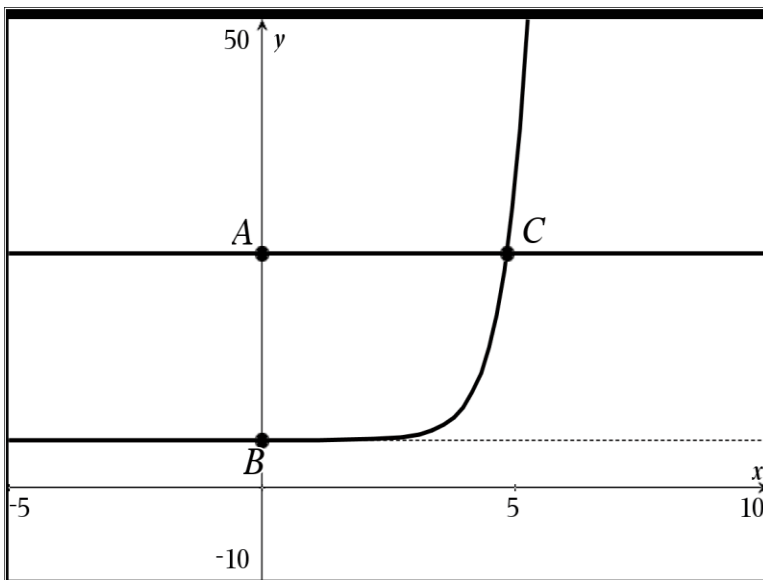
Point A	Point B	Point C	Horizontal Asymptote
	Exact	Exact	
	Approximate	Approximate	

Extra Credit #2: Which better describes your next step in mathematics and why? Exciting Scary

Give an exact and approximate answer when necessary (You will need the use of a logarithm for this problem)

8. $\frac{1}{2} \cdot e^{2x-6} + 5 = 25$

Graph of the related system



9. Complete the related table

Point A	Point B	Point C	Horizontal Asymptote
	Exact	Exact	
	Approximate	Approximate	

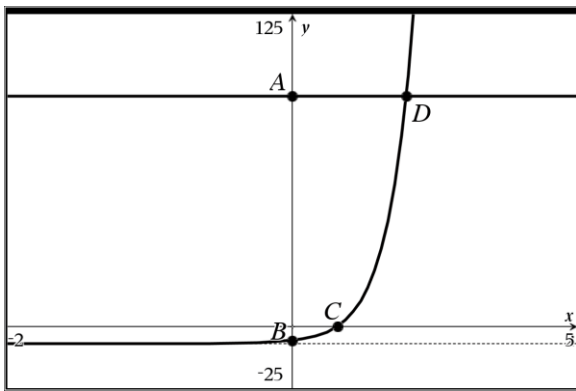
Extra Credit #3 If you could thank only one teacher for what they have done for you this year, what would it be for?

SHOW ALL OF YOUR WORK IN A CLEAR AND EASY TO FOLLOW MANNER

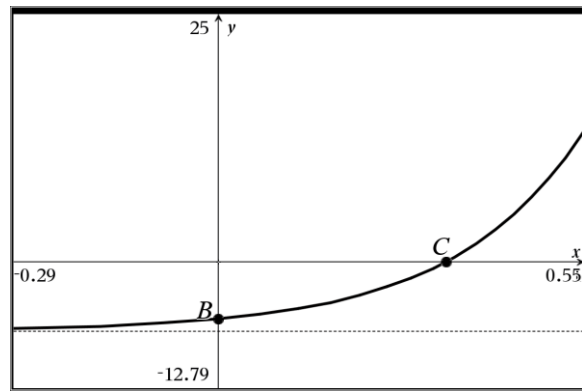
Give an exact and approximate answer when necessary (attempt this problem WITHOUT the use of LOG)

1. $11 \cdot 3^{5x-2} - 7 = 92$

Graph of the related system



Graph of the related system



2. Show the ALGEBRA necessary to find point C

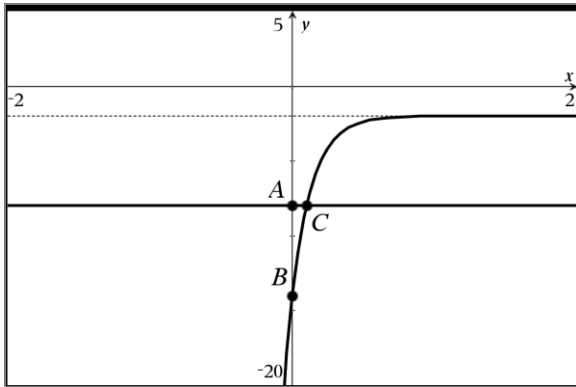
3. Complete the related table

Point A	Point B	Point C	Point D	Horizontal Asymptote
	Exact	Exact	Exact	
	Approximate	Approximate	Approximate	

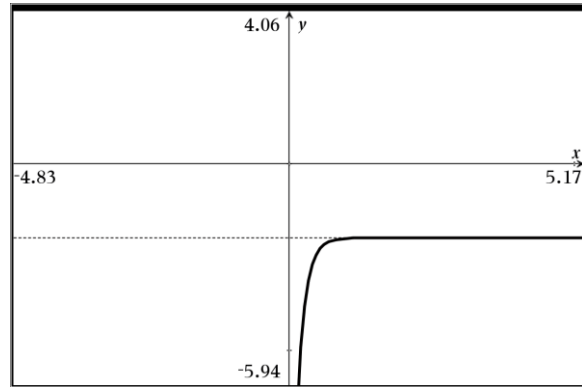
Give an exact and approximate answer when necessary (You will need the use of a logarithm for this problem)

4. $-3 \cdot 4^{-5x+1} - 2 = -8$

Graph of the related system



Graph of the related system



5. Complete the related table

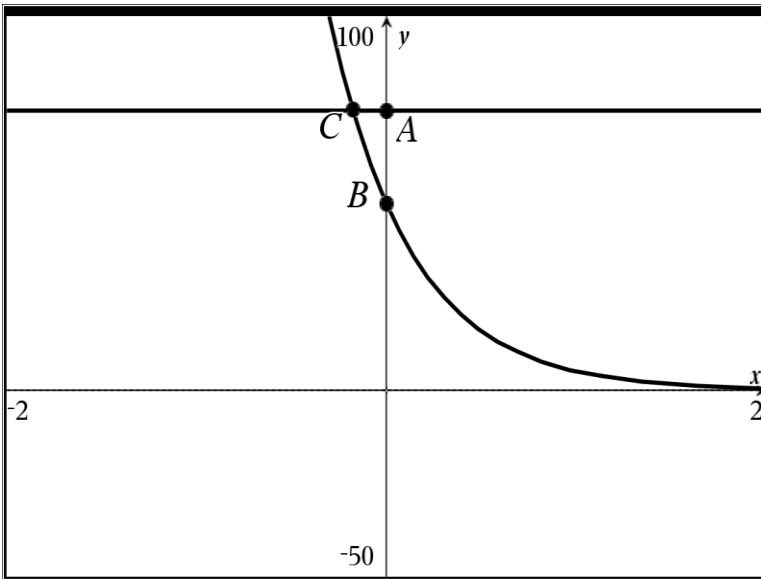
Point A	Point B	Point C	Horizontal Asymptote
	Exact	Exact	
	Approximate	Approximate	

Extra Credit 1: Give an example of how you intend to keep your mind active over the summer

Give an exact and approximate answer when necessary (You will need the use of a logarithm for this problem)

6. $5 \cdot 10^{-x+1} = 75$

Graph of the related system



7. Complete the related table

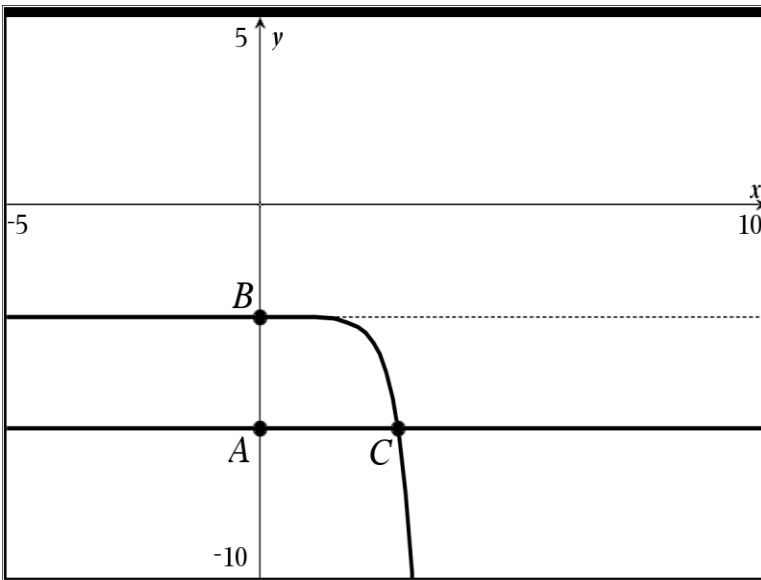
Point A	Point B	Point C	Horizontal Asymptote
	Exact	Exact	
	Approximate	Approximate	

Extra Credit #2: Which better describes your next step in mathematics and why? Exciting Scary

Give an exact and approximate answer when necessary (You will need the use of a logarithm for this problem)

8. $\frac{-1}{3} \cdot e^{3x-6} - 3 = -6$

Graph of the related system



9. Complete the related table

Point A	Point B	Point C	Horizontal Asymptote
	Exact	Exact	
	Approximate	Approximate	

Extra Credit #3 If you could thank only one teacher for what they have done for you this year, what would it be for?