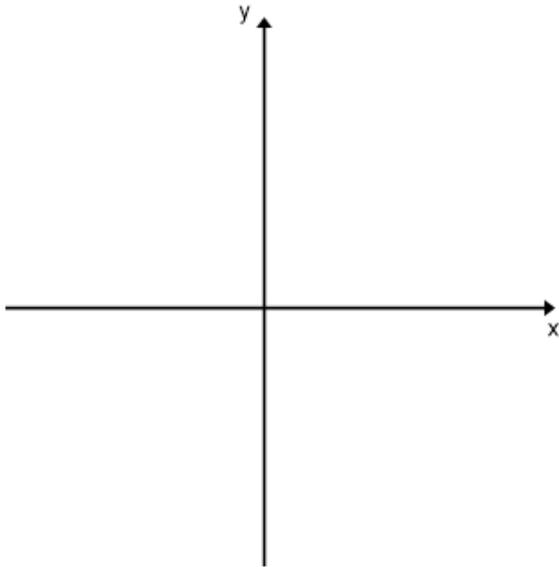


For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

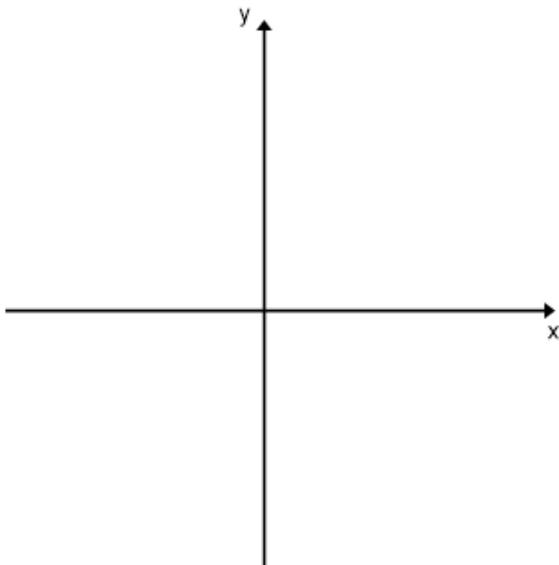
You are given an initial amount of 100. You have a change factor of 1.25

1. Build the exponential change model

2. State the change rate as a decimal _____
3. State the change rate as a percentage
4. This is exponential _____ model
 - a. Growth
 - b. Decay
 - c. Neither
5. Determine when your model will reach an amount of 300
Round to three decimal places

For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



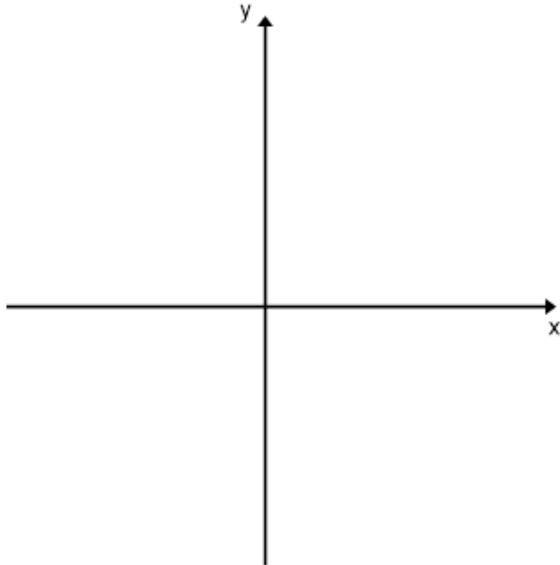
Mathematical Facts

You are given an initial amount of 400. You have a change rate of 0.4%. This is a decay model

6. Build the exponential change model

7. State the change rate as a decimal _____
8. State the change factor _____
9. Determine when your model will reach an amount of 300
Round to three decimal places

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

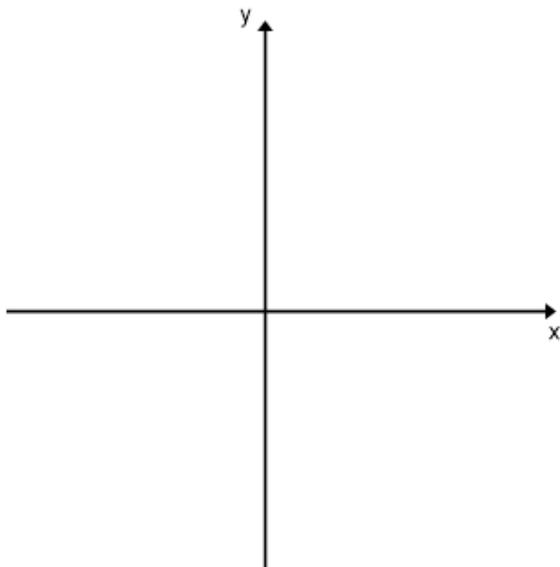
You are given an initial amount of 50. You have a change factor of 0.85

10. Build the exponential change model

11. State the change rate as a decimal _____
12. State the change rate as a percentage _____
13. This is exponential _____ model
 - a. Growth
 - b. Decay
 - c. Neither
14. Determine when your model will reach an amount of 13
Round to three decimal places

For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

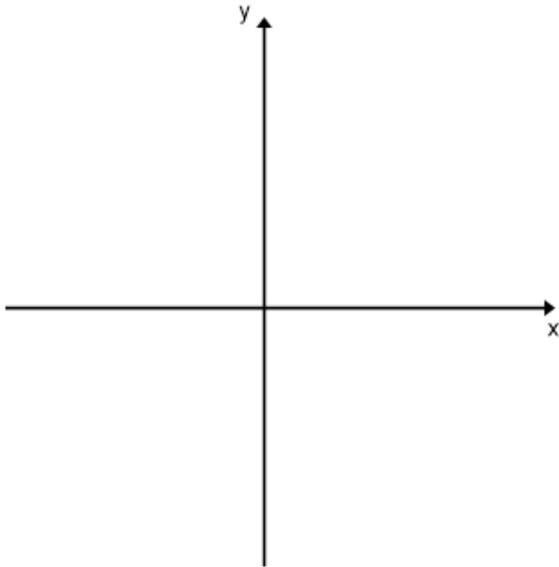
You are given an initial amount of 4. You have a change rate of 155%. This is a growth model

15. Build the exponential change model

16. State the change rate as a decimal _____
17. State the change factor _____
18. Determine when your model will reach an amount of 30
Round to three decimal places

For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

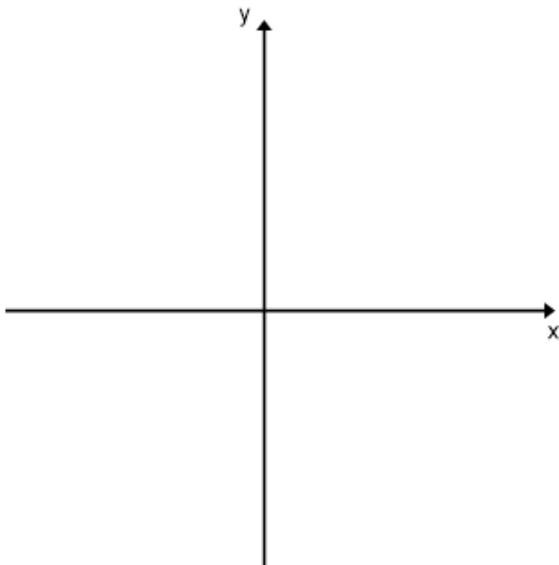
You are given an initial amount of 200. You have a change factor of 3.25

1. Build the exponential change model

2. State the change rate as a decimal _____
3. State the change rate as a percentage
4. This is exponential _____ model
 - a. Growth
 - b. Decay
 - c. Neither
5. Determine when your model will reach an amount of 500
Round to three decimal places

For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



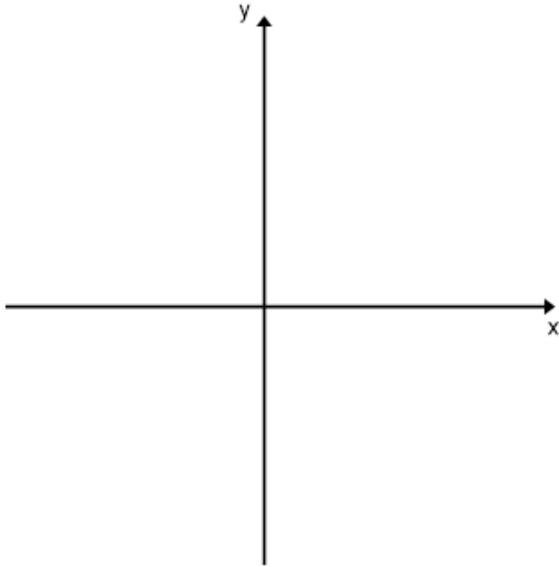
Mathematical Facts

You are given an initial amount of 500. You have a change rate of 0.04%. This is a decay model

6. Build the exponential change model

7. State the change rate as a decimal _____
8. State the change factor _____
9. Determine when your model will reach an amount of 450
Round to three decimal places

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

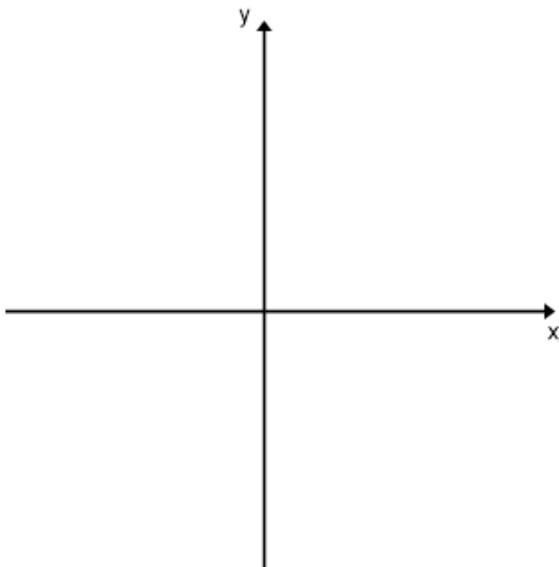
You are given an initial amount of 600. You have a change factor of 0.085

10. Build the exponential change model

11. State the change rate as a decimal _____
12. State the change rate as a percentage _____
13. This is exponential _____ model
 - a. Growth
 - b. Decay
 - c. Neither
14. Determine when your model will reach an amount of 80
Round to three decimal places

For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

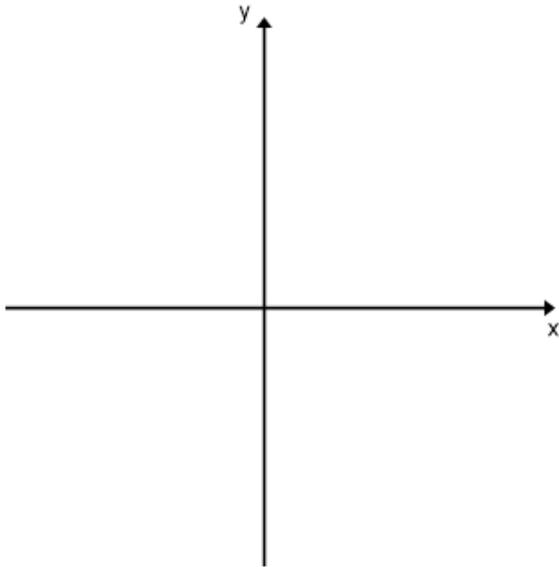
You are given an initial amount of 5. You have a change rate of 375%. This is a growth model

15. Build the exponential change model

16. State the change rate as a decimal _____
17. State the change factor _____
18. Determine when your model will reach an amount of 50
Round to three decimal places

For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

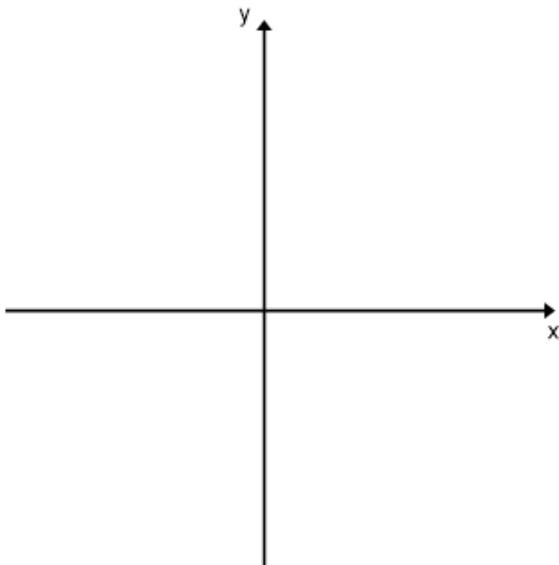
You are given an initial amount of 400. You have a change factor of 4.25

1. Build the exponential change model

2. State the change rate as a decimal _____
3. State the change rate as a percentage
4. This is exponential _____ model
 - a. Growth
 - b. Decay
 - c. Neither
5. Determine when your model will reach an amount of 900
Round to three decimal places

For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



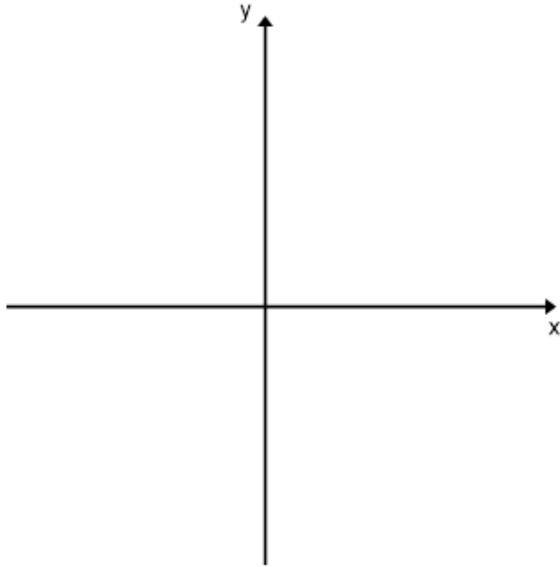
Mathematical Facts

You are given an initial amount of 800. You have a change rate of 0.14%. This is a decay model

6. Build the exponential change model

7. State the change rate as a decimal _____
8. State the change factor _____
9. Determine when your model will reach an amount of 550
Round to three decimal places

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

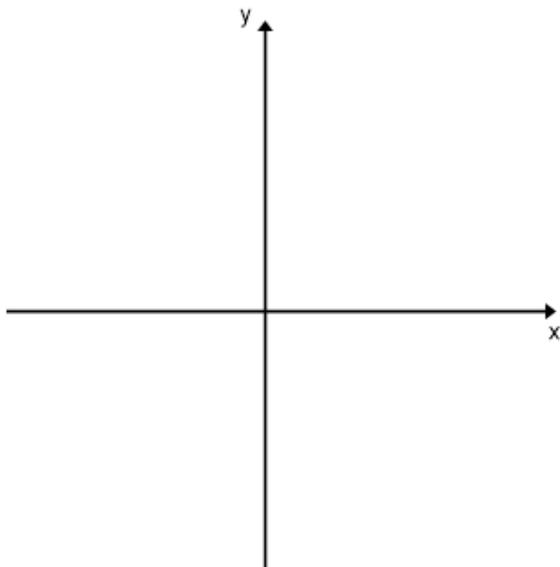
You are given an initial amount of 800. You have a change factor of 0.185

10. Build the exponential change model

11. State the change rate as a decimal _____
12. State the change rate as a percentage _____
13. This is exponential _____ model
 - a. Growth
 - b. Decay
 - c. Neither
14. Determine when your model will reach an amount of 95
Round to three decimal places

For each set of mathematical model facts answer the related questions below it

Sketch a quick graph of the given model label the first three points and the horizontal asymptote



Mathematical Facts

You are given an initial amount of 3. You have a change rate of 475%. This is a growth model

15. Build the exponential change model

16. State the change rate as a decimal _____
17. State the change factor _____
18. Determine when your model will reach an amount of 60
Round to three decimal places