

Linear and Exponential Functions 2

Example 1 Which situation has the greatest rate of change?

- A bank account that pays 5% interest every day or an account that pays 8% interest every week?
- A robot that hops 8 steps forward 6 and back every minute or a turtle that goes a steady speed of 3 steps every minute?
- Driving in your car at 25 miles per hour or riding your bike at 2 miles every 30 mins?
- A tree that grows 1 foot every year or a tree that grows 1 inch every week?

Example 2 Determine the rate of change

a)

x	y
-2	4
1	8
2	12