

## **Answer on Question #83554 – Math – Algebra**

### **Question**

Consider what you know about absolute change, relative change, and average rate of change. Identify which type of change best describes each of the following values and explain your answer.

- a) 45%
- b) \$45/year
- c) \$45

### **Solution**

Absolute change refers to the simple difference in the indicator over two periods in time. Thus, it is c) \$45.

Relative change expresses the absolute change as a percentage of the value of the indicator in the earlier period. Thus, it is a) 45%.

The average rate of change is finding how much something changes over time. Thus, obviously, b) \$45/year is average rate of change.

### **Answer:**

- a) relative change;
- b) average rate of change;
- c) absolute change.