Practice worksheet | Exponential relationships

Growth/decay factors

Name: _____ Date: _____

6 questions | 13 marks

1. Write the multiplier for a 6% increase. [2 marks]

2. Write the multiplier for a 23% decrease. [2 marks]

3. Increase 800 by 5% for each of 2 periods. [2 marks]

4. Reduce 600 by 10% for each of 3 periods. [2 marks]

5. A model is $V = 900(0.92)^t$ with t in years. State the annual percentage change. [2 marks]

6. A bacteria model triples every 2 hours from 20 units. Write a model using hours t and find the value at $t = 6$. [3 marks]