Fragile Environment – Animal Population Growth and Decay

Match up the description of the animal population change and the formula.

Be warned some are wrong of pairs are incorrect – can you write a correct match?

|  |  |  |
| --- | --- | --- |
| Population of seals declines at 10% per year for two years | seal | n x 1.0310 |
| Population of turtles grows at 10% per year for two years | turtle | n x 0.993 |
| Population of sharks declines at 1% per year for two years | shark | n x 1.12 |
| Population of wolves declines at 1% per year for three years | wolf | n x 1.0210 |
| Population of bears grows at 1% per year for two years | bear | n x 0.992 |
| Population of elephants grows at 1% per year for three years | elephant | n x 0.9810 |
| Population of fish grows at 2% per year for ten years | fish | n x 0.92 |
| Population of frogs grows at 3% per year for ten years | frog | n x 1.012 |
| Population of giraffes declines at 2% per year for ten years | giraffe | n x 1.110 |
| Population of rhinos declines by 3% per year for two years | rhino | n x 1.23 |
| Population of zebras grows by 2% per year for three years | Zebra | n x 1.013 |
| Population of snakes declines by 10% per year for ten years | snake | n x 0.972 |

If n was the same in each formula, can you put the formulae in order without using a calculator?