```python
import numpy as np

def calculate(lst):
    if len(lst) < 9:
        raise ValueError("List must contain nine numbers.")

    # Convert list to 3x3 numpy array
    matrix = np.array(lst).reshape(3, 3)

    calculations = {
        'mean': [
            matrix.mean(axis=0).tolist(),    # mean of columns
            matrix.mean(axis=1).tolist(),    # mean of rows
            matrix.mean().tolist()           # mean of all elements
        ],
        'variance': [
            matrix.var(axis=0).tolist(),
            matrix.var(axis=1).tolist(),
            matrix.var().tolist()
        ],
        'standard deviation': [
            matrix.std(axis=0).tolist(),
            matrix.std(axis=1).tolist(),
            matrix.std().tolist()
        ],
        'max': [
            matrix.max(axis=0).tolist(),
            matrix.max(axis=1).tolist(),
            matrix.max().tolist()
        ],
        'min': [
            matrix.min(axis=0).tolist(),
            matrix.min(axis=1).tolist(),
            matrix.min().tolist()
        ],
        'sum': [
            matrix.sum(axis=0).tolist(),
            matrix.sum(axis=1).tolist(),
            matrix.sum().tolist()
        ]
    }

    return calculations
```