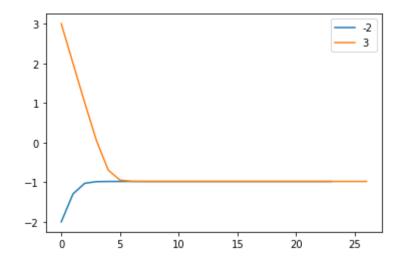
## Assignment 6, Question 4k, Amogha Sekhar, A53301791

```
In [1]: import numpy as np
        import matplotlib.pyplot as plt
In [2]: | def update_x(x):
            sum_0 = 0
             for k in range(1,11):
                 sum_+ = (np.tanh(x + (2/np.sqrt(k))))
             sum_ /= 10
             return (x - sum_)
In [3]: def converged(list_x):
             if len(list_x) < 6:</pre>
                 return False
             flag = True
             for i in range(5):
                 if list_x[-i-1][1] != list_x[-i-2][1]:
                     flag = False
             return flag
```

## -2 24 -0.9799826574435251 3 27 -0.9799826574435251



In [ ]: