5 for 5! The Final Review!

**True or False:**

1. If is concave up, then using the tangent line at to approximate will produce an overestimate.
2. Selected values of the derivatives of a twice-differentiable function are shown in the table.

has a relative minimum at .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | 0 | 1 | 2 | 3 |
| f’(x) | 5 | -1 | 0 | -2 |
| f’’(x) | 1 | 3 | 4 | -7 |

1. If then .
2. If a curve is increasing, then a left Riemann sum gives an overestimate of the area under a curve.