(1) The table gives the values of the functions *f* and *g*. Use the table to evaluate the expressions below. If there is not enough information given, state the information you would need to evaluate the expression.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *x* | 0 | 1 | 2 | 3 | 4 | 5 |
|  | 3 | 5 | 0 | 2 | 1 | 4 |
|  | 2 | 7 | 1 | 5 | 3 | 0 |

a.]

b.]

c.]

(2) Given , find functions , , and such that .

(3) Solve and show your work.

a.]

b.]

c.]

(4) Consider the circle .

Find the point of intersection of the two tangent lines to the circle which pass through the points (0,0) and (6,0), respectively.