Chapter 7 Derivatives Review

1. Evaluate the limit.
2. b.

2. Calculate y’.

a. b. c.

d. e.

g. h. i.

3. Find an equation of the tangent to the curve at the given point.

a. b.

c.

4. If a point moves on the curve , find at (0,5).

5. Let , and let denote the inverse of f. Then is equal to ?

6. If f(4) = 5 and f’(4) = 2/3, then calculate .