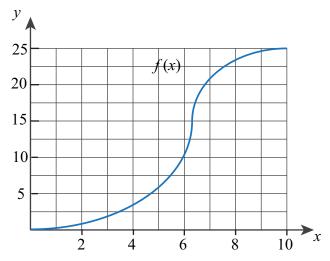
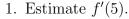
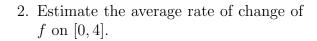
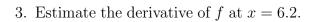
Tangent Lines and Derivatives Worksheet

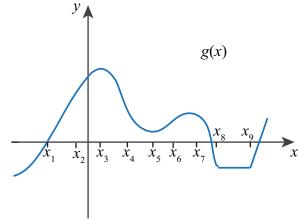








- 4. Draw f'(7) on the above graph and estimate its value.
- 5. If f(1) = a and f'(1) = -1, use local linearization to approximate f(1 h).



6. Find a relation between $g'(x_2)$ and $\frac{g(x_1)-g(x_3)}{x_3-x_1}$.

7. Compare
$$g'(x_4)$$
 and $g'(x_7)$.

8. Compare
$$g'(x_3)$$
 and $g(x_1)$.

9. Estimate
$$g'(x_9)$$
.

10. Which is greater:
$$g'(x_8)$$
 or x_1 ?

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