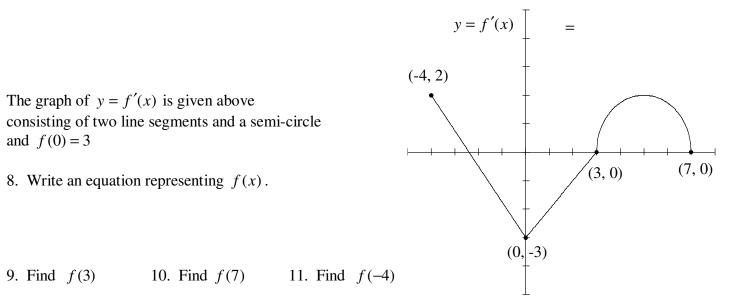


- 2. Evaluate f(2). Use geometry.
- 3. Evaluate *f*(-1). Why is your answer positive?
- 4. Find f(5) 5. Find y = f'(x)
- 6. What relationship do you notice between f(x) and g(t)? Why do you think this is?
- 7. Evaluate f''(-3). Show all work leading to your answer.



- 12. For $-4 \le x \le 7$, find the intervals over which f(x) is increasing. Justify your answer.
- 13. For $-4 \le x \le 7$, find the intervals over which f(x) is decreasing. Justify your answer.
- 14. Where does f(x) have a relative minimum? Justify your answer.
- 15. Where is f(x) concave down? Justify your answer.
- 16. What are the *x*-values for the points of inflection for f(x)? Justify your answer.

Name: _____