

# Quadratics Review Sheet

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1. Data for Quadratic Relations have one common feature → \_\_\_\_\_.
  
2. The equations for quadratic relations come in three different versions:
  - a. (1) \_\_\_\_\_.
  - b. (2) \_\_\_\_\_.
  - c. (3) \_\_\_\_\_.
  
3. The graphs of quadratic relations are called: \_\_\_\_\_.
  
4. The graphs of quadratic relations have several key features, which include:
  - a. (1) \_\_\_\_\_.
  - b. (2) \_\_\_\_\_.
  - c. (3) \_\_\_\_\_.
  - d. (4) \_\_\_\_\_.
  - e. (5) \_\_\_\_\_.
  
5. All word problems simply come down to either GRAPHICALLY or ALGEBRAICALLY being able to determine the :
  - a. (1) \_\_\_\_\_.
  - b. (2) \_\_\_\_\_.
  - c. (3) \_\_\_\_\_.
  - d. (4) \_\_\_\_\_.
  - e. (5) \_\_\_\_\_.
  
6. The key features can be found GRAPHICALLY on a TI-84. Explain how do find each of the key features GRAPHICALLY on the TI-84:
  - a. (1) \_\_\_\_\_.
  - b. (2) \_\_\_\_\_.
  - c. (3) \_\_\_\_\_.
  - d. (4) \_\_\_\_\_.
  - e. (5) \_\_\_\_\_.

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7. The key features can also be found ALGEBRAICALLY. The algebra method used to find the features, however, sometimes depends upon the version/form of the equation. So, briefly explain how to find the features algebraically

(1)		
(2)		
(3)		
(4)		
(5)		

8. You may have to graph a parabola given only the equation. Explain how to graph from each form:

- a. (1) \_\_\_\_\_.
- b. (2) \_\_\_\_\_.
- c. (3) \_\_\_\_\_.