

**Unit 3 Assessment**  
**Quiz 7a: Section 3.1-3.2**  
**Answer Key**

1. a. 3  
b.  $2x^3$   
c. 2  
d.  $x \rightarrow -\infty$        $f(x) \rightarrow -\infty$   
 $x \rightarrow \infty$        $f(x) \rightarrow \infty$
  
2. Vertical intercept at (0, 12)  
Horizontal intercepts at (1,0), (-3,0), (2,0)
  
3. (2,12)