

## Section 1.5 Extra Practice Answers

1. a. 11  
b. limit does not exist  
c. 18  
d.  $\frac{\sqrt{5}}{5}$
2. a. limit  $\doteq$  0.18  
b. limit = 0
3. a. -2  
b.  $\frac{5}{2}$   
c.  $\frac{1}{144}$   
d.  $-\frac{1}{6}$   
e.  $\frac{2\sqrt{5}}{5}$
4. direct substitution
5. a.  $\frac{1}{3}$   
b. 0
6. a. limit does not exist  
b. limit does not exist  
c. 0
7.  $\frac{2}{5}$
8. a. 2  
b. 1  
c. 6  
d.  $-\frac{19}{5}$
9. direct substitution