

# Review Answers- Pythagorean Theorem, Distance Formula, and Altitude-on-Hypotenuse Theorems

1) a) 6                      b) 8                      c)  $4\sqrt{3}$                       d) 4  
         e) 9                      f) impossible

2) a) 5                      b) 12

3)  $2\sqrt{5}$

4)  $6\sqrt{2}$                       5)  $24/5$

6)  $BC = 15, AD = 27/4$                       7)  $-1/7$