Week 6 Assignment 1

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Answer the following questions

1) For flow over a body the turbulent regime starts from Re
   
   a) <5,00,000  
   b) >5,00,000  
   c) >20,000  
   d) >2000

   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   c) >20,000

2) Smallest eddies lose their energy by
   
   a) Does not lose their energy  
   b) Give it to larger eddy  
   c) Generating dissipation  
   d) None of the above

   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   c) Generating dissipation

3) The algebraic form of tensor $\mu_{ij}\mu_k$ has
   
   a) 27 terms  
   b) 21 terms  
   c) 13 terms  
   d) 12 terms

   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**
   a) 27 terms

4) 

   a) Strain Tensor  
   b) Reynolds stress tensor  
   c) Principal stress tensor  
   d) None
5) Eddy Viscosity has the unit of
- d) None

No, the answer is incorrect.
Score: 0
Accepted Answers:

6) The governing equations for laminar and turbulent flow are same if resolved for scales of instabilities.
- True
- False

No, the answer is incorrect.
Score: 0
Accepted Answers:
True

7) Production term in TKE equation is

No, the answer is incorrect.
Score: 0
Accepted Answers: