Math 222- Timed exercise -2- (53402)

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Marks: 

**Choose the correct answer**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **If then then is equal to**

**(a) (b) (c) (d) None of the previous**

1. **If and are acute angles s.t and then is equal to**

**(a) (b) (c) (d) None of the previous**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **The derivative of is equal to**

**(a) (b) (c) (d) None of the previous**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **Given , and in , then is equal to**

**(a) (b) (c) (d) None of the previous**

1. **Given then is equal to**

**(a) (b) (c) (d) None of the previous**

1. **Given , and in , then is equal to**

**(a) (b) (c) (d) None of the previous**

1. **The average rate of change of across the interval to is equal to**

**(a) (b) (c) (d) None of the previous**

1. **The rate of change of at is equal to**

**(a) (b) (c) (d) None of the previous**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **If and is an acute angle then the exact value of is equal to**

**(a) (b) (c) (d) None of the previous**

1. **is equal to**

**(a) (b) (c) (d) None of the previous**

1. **A ladder 20ft long leans against the side of a building, and the angle between the ladder and the building is , then the distance from the bottom of the ladder to the building is approximately equal to**

**(a) (b) (c) (d) None of the previous**

1. **From a point on level ground 135ft from the base of a tower the angle of elevation of the top of the tower is , then the height of the tower is approximately equal to**

**(a) (b) (c) (d) None of the previous**