

Math 103		Final	Dec 25, 2023
Last name :		Instructors : Ayşe D. Ç., E. Sercan Y.	Signature
Name :		Time : 15: 30	
ID Number :		Duration : 70 <i>minutes</i>	
25 QUESTIONS ON 3 PAGES, EACH IS 4 POINT.			TOTAL 100 POINTS

1. $42 \div 6 - 3 + 2 \times 5 - 8$:

a) -2

b) 6

c) 16

2. 0.000028 is written in Standard Form is:

a) 28×10^{-6}

b) 0.28×10^{-3}

c) 2.8×10^{-5}

3. If 20% of a certain length is 300 cm, the complete length is:

a) 60 cm

b) 1500 cm

c) 6000 cm

4. Find the circumference of a circle that has diameter of 14 cm.

a) 14π cm

b) 28π cm

c) 49π cm

5. Find the volume of a cone of radius 6 cm and height 7 cm.

a) 252π cm³

b) 42π cm³

c) 84π cm³

6. Calculate the total surface area of a solid cylinder of radius 4 cm and height 6 cm.

a) 48π cm²

b) 80π cm²

c) 20π cm²

7. Convert 3.375_{10} into bicimal.

a) 11.011_2

b) 101.011_2

c) 11.11_2

8. $523_8 - 146_8$ is equal to:

a) 355_8

b) 377_8

c) 375_8

9. Simultaneous equations are given by $3x + 5y = 19$ and $5x + 3y = 21$. What is the value of y ?

a) -3

b) 2

c) 4

