Geometry Test Review Chapter 12

Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Find the measures of the indicated angles. Which statement is NOT true? (The figure is not drawn to scale.)



$$a_1 - a_2 = 53$$

b.
$$b = 106$$

c.
$$c = 73$$

d.
$$d = 37$$

Find the diameter of the circle for BC = 13 and DC = 24. Round to the nearest tenth. (The diagram is not drawn to scale.)



a. 31.3

b. 44.3

c. 11.2

d. 57.3

Short Answer

Assume that lines that appear to be tangent are tangent. O is the center of the circle. Find the value of x. (Figures are not drawn to scale.)

m∠O = 111



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H Kauffman

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web circular motion is described as a movement of an object while rotating along a circular path circular motion can be either uniform or non uniform during uniform circular motion the angular rate of rotation and speed will be constant while during non uniform motion the rate of rotation keeps changing

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web t angular velocity define an angular velocity ω angular displacement ω time interval uniform circular motion is when ω is constant combining last 3 equations $r\omega$ period t 2π ω θ t question you place a beetle on a uniformly rotating record is the beetle s tangential velocity different or the same at different radial positions

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web 12 example 6 3 integration and circular motion kinematics we shall now investigate a special class of motions motion in a plane about a central special cases often dominate our study of physics and circular motion about a central point is certainly no exception there are many instances of central motion about a point a bicycle rider

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web jul 20 2022 we shall begin by describing the kinematics of circular motion the position velocity and acceleration as a special case of two dimensional motion we will see that unlike linear motion where velocity and acceleration are directed along the line of motion in circular motion the direction of velocity is always tangent to the circle

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