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Score: 9/9 (100.00%)

Code: 1899

1. What is the value of  $625^0$ ?

C) 525

**B) 1 (Correct)**

D) 25

2. What is the value of  $1/a^{-5}$ ?

**A)  $a^5$  (Correct)**

B)  $a^{-5}$

C) 5a

D) (-5a)

3. What is the subtracted value of  $3x - 4x^2 + 2y^2$  from  $4y^2 - 2x + 8x^2$ ?

**A)  $2y^2 - 5x + 12x^2$  (Correct)**

B)  $2y^2 + 5x - 12x^2$

C)  $2y^2 - 5x - 12x^2$

D)  $(-2y^2 - 5x + 12x^2)$

4. What is the radius of the circle, whose circumference is 440 cm?

A) 71.5 cm

**B) 70 cm (Correct)**

C) 70.5 cm

D) 72.2 cm

5. What is the circumference of a circle whose diameter is 7 cm?

**A) 22 cm (Correct)**

B) 44 cm

C) 25 cm

D) 21 cm

6. What is the radius of a circle whose diameter is 44 cm?

A) 44 cm

**B) 22 cm (Correct)**

C) 23 cm

D) 20 cm

7. What is the diameter of the circle, if the area of the circle is  $78.5\text{cm}^2$ ?

A) 5 cm

**B) 10 cm (Correct)**

C) 15 cm

D) 5.5 cm

8. Which machine converts mechanical energy into electrical energy?

A) Battery

**B) Generator (Correct)**

C) Heater

D) Iron box

9. What is the voltage?

<br>

R = 250 Ohms

<br>

I = 0.44 Amps

<br>

V = \_\_\_\_ Volts

A) 100 Volts

B) 105 Volts

C) 108 Volts

**D) 110 Volts (Correct)**