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الملف Math final exam

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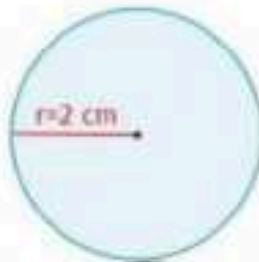
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<a href="#">Math final exam</a>	2
<a href="#">Final year revision form</a>	3
<a href="#">Worksheet about Add or subtract equations</a>	4
<a href="#">title Worksheet about Pattern and sequence and factorisation</a>	5
<a href="#">Final exam of geometry</a>	6
<a href="#">Algebraic Expressions worksheet</a>	7

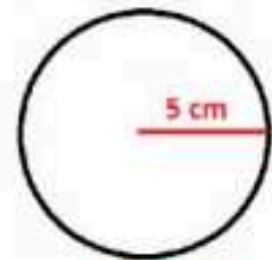
MATH FINAL EXAM

Circumference

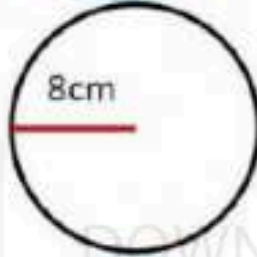
1.  $R = 2\text{ cm}$   
 $D = \text{ cm}$   
 Circumference =  $\pi \times D$   
 $C =$   
 $C = 12,56\text{ cm}$



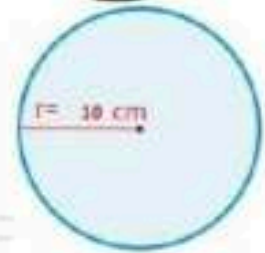
2.  $R = 5\text{ cm}$   
 $D = \text{ cm}$   
 Circumference =  $\pi \times D$   
 $C =$   
 $C = 31,4\text{ cm}$



3.  $R = 8\text{ cm}$   
 $D = \text{ cm}$   
 Circumference =  $\pi \times D$   
 $C =$   
 $C = 50,24$



4.  $R = 10\text{ cm}$   
 $D = \text{ cm}$   
 Circumference =  $\pi \times D$   
 $C =$   
 $C = 68,2$

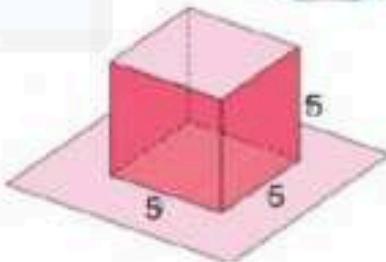


5.  $R = 4\text{ cm}$   
 $D = \text{ cm}$   
 Circumference =  $\pi \times D$   
 $C =$   
 $C = 25,12$

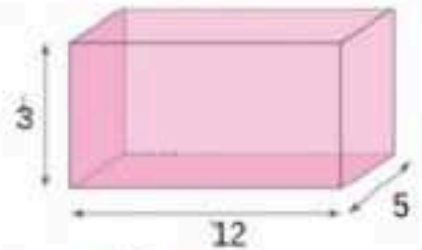


Volume

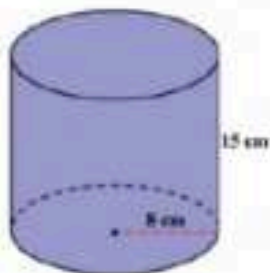
1.  $5 \times 5 \times 5 =$   
 $V =$



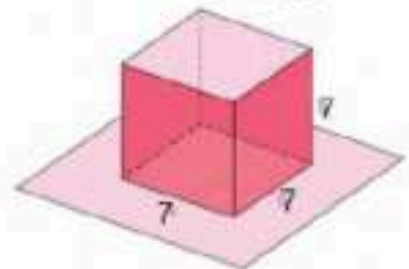
2. High x base x length =  
 $V = \times 5$   
 $V =$



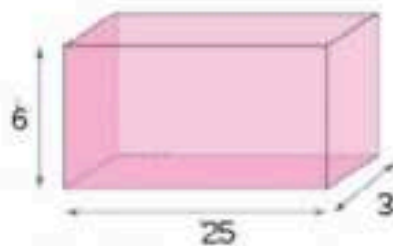
3.  $V = \text{high} \times 3,14 \times r^2$   
 $V = 3,14 \times 16\text{ cm}^2$   
 $V = 3,14 \times 64$   
 $V = \text{ cm}^3$



4.  $7 \times 7 \times 7 =$   
 $V =$



5. High x base x length =  
 $V = \times 3$   
 $V =$



### Addition of polynomials

1.

$$(2x^6 + 4x^5 + 3x^2 - x + 10) + (x^6 - 3x^5 - 5x^3 + 8x + 10)$$

$$2x^6 + 4x^5 + 3x^2 - x + 10$$

$$+ x^6 - 3x^5 - 5x^3 - 8x - 10$$

-----

3.

$$(-12x^2 + 11x^7 - 5^1 + 8x^4) + (+6^1 - 3x^2 - 2x^7 - 7x^9)$$

$$-12x^2 + 11x^7 - 5^1 + 8x^4$$

$$+ 3x^2 - 2x^7 + 6^1 - 7x^9$$

-----

5.

$$(+2x^1 + 11x^6 - 20x^2) + (+4x^8 - 9x^1 + 7x^3)$$

$$+ 2x^1 + 11x^6 - 20x^2$$

$$+ 4x^8 - 9x^1 + 7x^3$$

-----

2.

$$(6x^1 - 2x^3 + 7x^5) + (+3x^1 + 4x^3 + 5x^5)$$

$$6x^1 - 2x^3 + 7x^5$$

$$+ 3x^1 + 4x^3 + 5x^5$$

-----

4.

$$(-3x^2 + 5^6 - 7x^9 + 4x^3) + (+6x^9 - 1x^2 - 9^6 - 3x^3)$$

$$-3x^2 + 5^6 - 7x^9 + 4x^3$$

$$+ 6x^9 - 1x^2 - 9^6 - 3x^3$$

-----

### Subtraction of polynomials

1.

$$(5x - 6n) - (2n + 7x)$$

$$+ 5x - 6n$$

$$- 7x - 2n$$

-----

2.

$$(4z + 7r) - (-6z - r)$$

$$+ 4z + 7r$$

$$+ 6z + r$$

-----

3.

$$(8s + bt) - (s + 8bt)$$

$$8s + bt$$

$$- s - 8bt$$

-----

4.

$$(4b - 3e) - (-6b + e)$$

$$+ 4b - 3e$$

$$+ 6b - e$$

-----

5.

$$(7sg + 1mc) - (+8sg + mc)$$

$$7sg + 1mc$$

$$- 8sg - mc$$

-----

### Multiplication of monomials

1.

$$(2a^1 c^5) \times (7a c^4) =$$

4.

$$(4s^5 t^2) \times (4s t^3) =$$

2.

$$(4y^2) \times (5y^2) =$$

5.

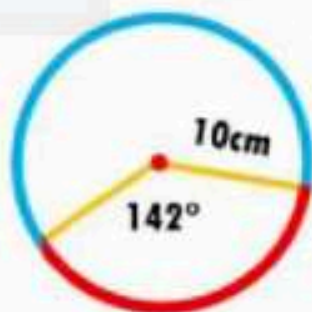
$$(8s^4 t^2) \times (s t^2) =$$

3.

$$(-2a^1 b^4 c) \times (-5a^6 b^3 c^2) =$$

Length of arc

C



$$= 0,017$$

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