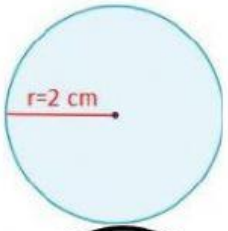
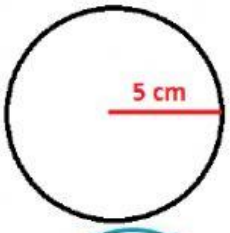
MATH FINAL EXAM

Circumference

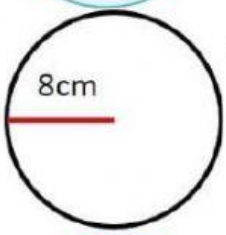
1. R= 2cm
   D= cm
   Circumference = π x D
   C=
   C= 12,56 cm



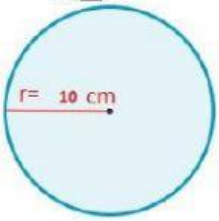
2. R= 5cm
   D= cm
   Circumference = π x D
   C=
   C= 31,4 cm



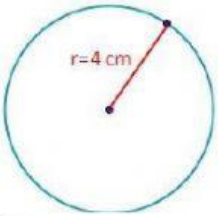
3. R= 8cm
   D= cm
   Circumference = π x D
   C=
   C= 50,24



4. R= 10cm
   D= cm
   Circumference = π x D
   C=
   C= 68,2

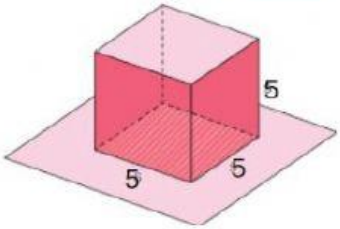


5. R= 4cm
   D= cm
   Circumference = π x D
   C=
   C= 25,12

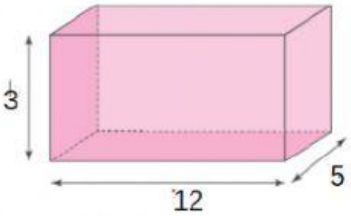


Volume

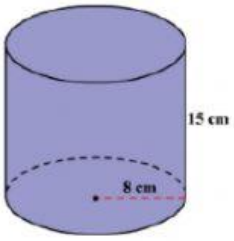
1. 5x5x5 =
   V=



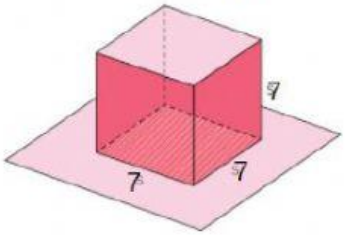
2. High x base x lenght=
   V= x5
   V=



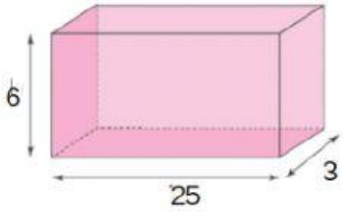
3. V= high x 3,14 x r^2
   V= 3,14 X 16cm^2
   V= 3,14 X 64
   V= cm^3



4. 7x7x7 =
   V=



5. High x base x lenght=
   V= x3
   V=



Addition of polynomials

1.

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

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

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

2.

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

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

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

3.

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

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

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

4.

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

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

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

5.

$(+2x^1 +11x^6 -20x^5)$ $(+4x^6 -9x^1 +7x^5)$

$+2x^1 +11x^6 -20x^5$

$-9x^1 +4x^6 +7x^5$

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

-5b +e

5.

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

7sg +1mc

8sg +mc

Multiplication of monomials

1.

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

2.

$(4y^2) \times (5y^1) =$

3.

$(-2a^1\ b^4\ c) \times (-5a^6\ b^3\ c^7) =$

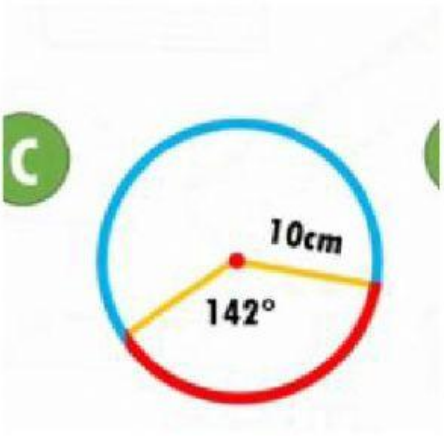
4.

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

5.

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

Length of arc



= 0,017