

MATH FINAL EXAM

ADDITION OF POLYNOMIALS

1) $(7X^2-8X+5X^3)+(2X-4X^3+3X^2)$

- a) $10x^2+6x+x^3$
- b) $10x^2-6x+x^3$
- c) $-10x^2-6x-x^3$
- d) $4x^2+10x-9x^3$

2) $(9c+5s^2-7s^3)+(2s^3-8c+4s)$

- a) $-c+5s^2+5s^3-4s$
- b) $c+9s^2-5s^3+4s$
- c) $c+5s^2-5s^3+4s$
- d) $1c+5s^2+5s^3+4s$

YOU WILL DO
IT VERY WELL



3)

$$\begin{array}{r} 6y^1 - 3n^2 + 7y \\ -6y^1 + 4n^2 + 2y \\ \hline \end{array}$$

- a) $+n^2 + 9y$
- b) $-n^2 + 9y$
- c) $+1n^2 - 9y$
- d) $-n^2 - 9y$

4) $(8w^3 - 2m - 4m^1 + 5w^2) + (7m - 3m^1 + 2w^3 - 6w)$

- a) $10w^3 - 5m - 7m^1 - 5w^2 - 6w$
- b) $6w^3 + 9m - m^1 + 5w^2 - 6w$
- c) $-10w^3 - 5m + 7m^1 - 5w^2 - 6w$
- d) $10w^3 + 5m - 7m^1 + 5w^2 - 6w$

5) $(6t - 2r^1 + 7t^3 - 3r^2) + (-1r^1 + 5r^2 - 4t^3 + 3t - 8)$

- a) $9t - 3r^1 + 3t^3 + 2r^2 - 8$
- b) $-9t + 3r^1 - 3t^3 - 2r^2 - 8$
- c) $9t - 3r^1 + 4t^3 + 2r^2 - 8$
- d) $-9t + 2r^1 + 3t^3 + 2r^2 - 8$



SUBTRACTION OF POLYNOMIALS

1) $(3x^3)-(2x^3-x)$

a) x^3+x

b) $-x^3-x$

c) x^3-x

d) $5x^3-x$

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

a) $-8x+8x^2+6r$

b) $2x +6r$

c) $8x-8x^2-6r$

d) $-2x +6r$

3) $(7t^3+t-5t^1)-(t+3t^3)$

a) $4t^3 -5t^1$

b) $4t^3 0t-5t^1$

c) $10t^3+2t-5t^1$

d) $-10t^3-2t-5t^1$

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

a) $-3r+4r^1-4r^1$

b) $7r-14r^1+8r^3$

c) $-7r-14r^1-8r^3$

d) $-3r-4r^1+4r^3$

BE CALM



5) $(5x+4t-2r+5m)-(-2t-3x+4r-6m)$

- a) $2x+2t+2r-m$
- b) $8x-2t-6r+11m$
- c) $8x+6t-6r+11m$
- d) $8x-6t+6r-11m$

LOOK AT
THE SIGNS



MULTIPLICATION OF MONOMIALS

1) $(5x^3)(3x^3)$

a) $-15x^6$

b) $15x^6$

c) $2x^6$

d) $-2x^3$

2) $(6xy)(-t)=$

3) $(9xy)(4xy^2)$

a) $36x^2y^3$

b) $-36x^2y^3$

c) $13xy^2$

d) $5x^2y^3$

4) $(7x)(-x)$

- a) $-7x^2$
- b) $8x$
- c) $+7x^2$
- d) $-8x^2$

5) $(-x^2)(-x^2)$

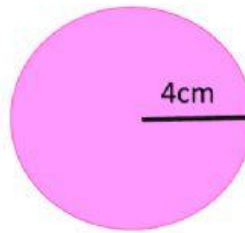
- a) $-2x^4$
- b) $-2x^2$
- c) $-x^4$
- d) x^4

GEOMETRY

VOLUME AND CIRCUMFERENCE

Circumference

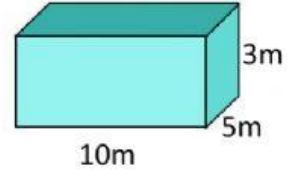
1)



- a) 25.12cm
- b) 20cm
- c) 12.56cm
- d) 30cm

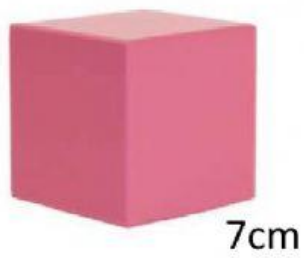
Volume

2) Rectangular prism



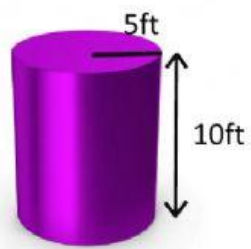
- a) $20m^3$
- b) $18m^3$
- c) $150m^3$
- d) $15m^3$

3) cube



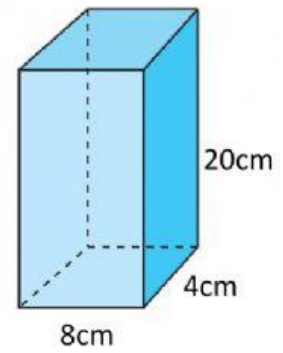
- a) 21cm^3
- b) 343cm^3
- c) 300cm^3
- d) 50cm^3

4) cylinder



- a) 60ft^3
- b) 50ft^3
- c) 800ft^3
- d) 785ft^3

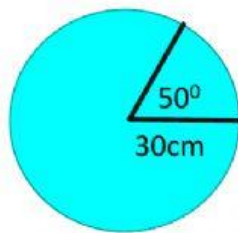
5) Rectangular prism



Cm^3

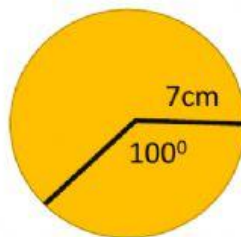
LENGTH OF ARC

1)



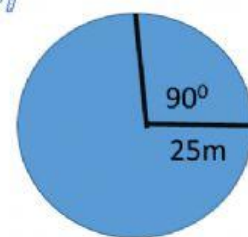
- a) 26.16cm
- b) 471cm
- c) $4,710\text{cm}$
- d) 70cm

2)



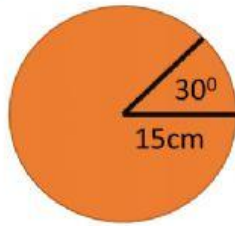
- a) 30cm
- b) 12.21cm
- c) 110cm
- d) 40cm

3)



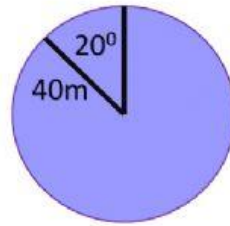
- a) $7,065\text{m}$
- b) 80m
- c) 39.25m
- d) 200m

4)



- a) 15cm
- b) 3.925cm
- c) 20cm
- d) 7.85cm

5)



- a) $13,95\text{m}$
- b) $2,512\text{m}$
- c) 300m
- d) 40m

**YOU DID IT
VERY WELL**



LOOK CLOSELY



LIVEWORKSPACES