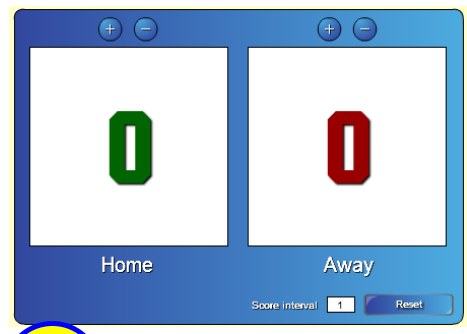


Questions

discard

Questions:

1 2 3 4 5

6 7 8 9 10

Question 1

Put the following in standard form, find the degree and leading coefficient:

$$10a^4 - 8 - 3a^7$$

Score

$-3a^7 + 10a^4 - 8$ L.C.=-3, Deg.=7

Question 2

Find the sum of the following polynomials

$$(m^2 - 3m + 4) + (m^2 - 5m - 1)$$

Score $2m^2 - 8m + 3$

Question 3

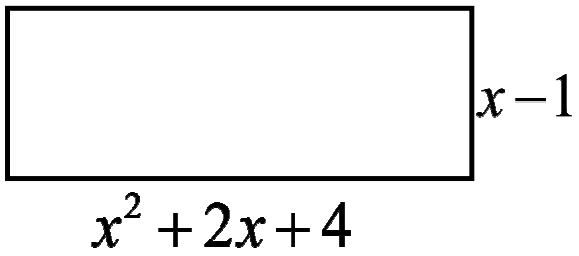
Find the difference of the following polynomials

$$(10x^2+4x-5)-(3x^2+2x+1)$$

Score $7x^2-2x-6$

Question 4

Find the perimeter of the following figure

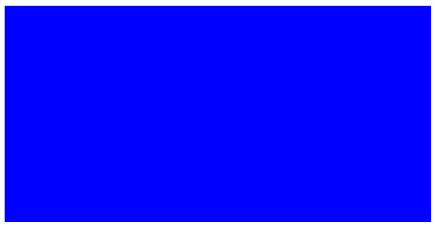


Score  $2x^2+6x+6$

Question 5

Find the product:

$$(x-2)(3x+9)$$



$3x^2+3x-18$ Score

Question 6

You learned in Physical Science that

Velocity=Mass x Acceleration. Find the missing value

Mass = $(2x+2)$

Acceleration = (x^2-4x+5)

Velocity= ?? $2x^3-6x^2+2x+10$ Score

Question 7

Factor the following

$$2x^2 + x - 3$$

score $(2x+3)(x-1)$

Question 8

Factor out the GCF:

$$16x^5y^3 - 32x^3y^4 + 64x^4y^5$$

score $16x^3y^3(x^2 - 2y + 4xy^2)$

Question 9

Find the product:

$$(y-2)(y^2-2y+3)$$

score y^3-4y^2+7y-6

Question 10

Factor the following:

$$2x^2+15x+27$$

$(x+3)(2x+9)$ score