Insert your answers as in the example below without space
For $7x^3+3x^2-8x$ .... 7x3+3x2-8x

# Polinomios

1.Solve the questions and find the remainder "R(x)" and quotient "C(x)".

a) $144x^3 : 12x^2$ b) $225x^2 : 15x^2$ c) $(36x^2 + 6x + 5) : (6x + 3)$

R(x)= R(x)= R(x)=

C(x)= C(x)= C(x)=

2. Simplify the polynomials P(x)

a) $P(x) = (2x + x)^3 + (3x + 3)^2$

b) $P(x) = (4x + 3x)^2 - (3x + 4)$

c) $P(x) = (3x + 4)^2 \cdot (2x - 4)$

d) $P(x) = (2x + 7x) \cdot (x - 3)^2$

3.Find and simplify the polinomios P(x)

$Q(x) = 3x^2 + 2x - 1$ $H(x) = (2x-5x^2)^2$

$R(x) = (x - 1)^2$

a) $P(x) = Q(x) - R(x)$

b) $P(x) = Q(x) + H(x)$

c) $P(x) = R(x) \cdot Q(x)$

4. Simplify

$P(a,b) = (2a + 2b)^3 + (3ab + 3)^2$

5.Solve and simplify the following $P(x) = d(x).C(x)+R(x)$ polinomios by using Ruffini method

a) $(x^4 - 1) : (x + 1)$

C(x) =

R(x) =

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

C(x) =

R(x) =