Cruz Crespo

Matematica Basica

Semana 4

Ejercicio 7.2

1. $X^2 - 3y$ $x = -2, y = -1$
   $(-2)^2 - 3(-1)$
   $4+3 = 7$

2. $3a + 5b^2$ $a = 4, b = -2$
   $3(4) + 5(-2)^2$
   $3(4) +5(4)$
   $12 +20 =32-$

3. $5 x^2 - 2 y5$ $x =3, y = -1$

   $5(-3)^2 - 2((-1)5$

   $5(9) -2(-1),$

   $45 +2 = 47$

       5c

4. $\_\_3a_____$ - $\_\_\_\_(4)\_\_b$ $a =4, b = 2, c = 2$

        5c

   $_____ 3\_\_\_\_ (\_ 4\_) \_\_-4\_\_ (\_ -\_2)\_$

        5(2)

   $\_ 1\_2\_ + \_8\_$ $= \_20\_$

       10   10

    $\_12\_ + \_B$ = $20 \div 10 = 2$

       10

5. $p(q-r^2)$ $p = -1, q = -3, r = 5$

    $(3)(-1) (-3 -(5)^2$
    $(3) (- 1) (-3 - 5^2)$
    $(3(-1) (-28),$
     $-3 (- 28) = 84$

6. $(-1)^a + (-1)^b + {}^2$ $a = 99, b = 101$

    $(-1)^{99} + 1 - (-1) = 101 +2 = (-1)^{100} -(-1)^{103} = 1- -1= 1+1=2$

7. $3a - 4b^2 + 5c^3$ $a = 5, b = 4, c = 3$

   $3(5) -4(4)^b + 5(3)^3$.

   $3(5) - 4 (16) + 5(27)$

   $15- 64 + 135 = 86$

8. __ x__² - __ y²__ $x = 7, y = -1$

   $x - 5y$

   __ (__7)__² - __ (__-1__)²

     $7-5(-1)$

     __4__9 - __ 1__   = ____4__8 = 4
      $7 + 5$ 12

9.   __3 __ a - __ 4 __b $a = 12, b = 6$

      4   3

      __3 (12) -   __4__   (-6)

      4   3

      $9 + 8 = 17$

10. $0.3x + 1.2$ y ² $x = 20, y = 10$ $3x$

   $0.3 (20) +.2(-10)^2$

   $6 + 1.2 (^{100})$

   $6 + 120 = 126$

Ejercicio 7.3 Hallar el numero de terminos

2

1. $2x - 3x (x^2 - 1)$
    $2x - 3x^3 +3 x$
    -    $3x^3 + 5x$ dos terminos
    -
2. $y^3 - 2 y +1 =$ tres terminos

3. $(3a - 2 (2a + 30)$
    $6 a^2 + 9a-4 a - 6$
    $6 a^2 + 5a - 6$ tres terminos

4. $5 x (x^2 + 2x -3)$
    $5x^3 + 10x^2 - 15x$ tres terminos

5. $3x^{22} - 4x^3 + 5x^2 - 6x + 7$ cinco terminos

6. $8x + 3 y - 1$ tres terminos