

Rev finale polynomes

12:30 AM

1. Effectue les operations suivantes:

$$2x^2 - 7x + 9 - (6x^2 + 3x - 11) =$$

$$4x^2y - 5xy^2 - 12xy - (3xy + x^2y - 7xy^2) =$$

$$2x(x-5) + 3(x^2-7) - 4x(x-9) - 8 =$$

$$3x^2(x+2) - 9x(x-x^2) - 6(x^2+1) =$$

$$xy^2(3x-y) - x^2y(6y-5) - 9x^2y^2 =$$

$$\frac{21y^6 - 14y^2 - 7y}{7} =$$

$$\frac{32x^3 + 20x^2 - 4x}{-4x} =$$

$$\frac{12x^2y - 6xy + 18xy^2}{3xy} =$$

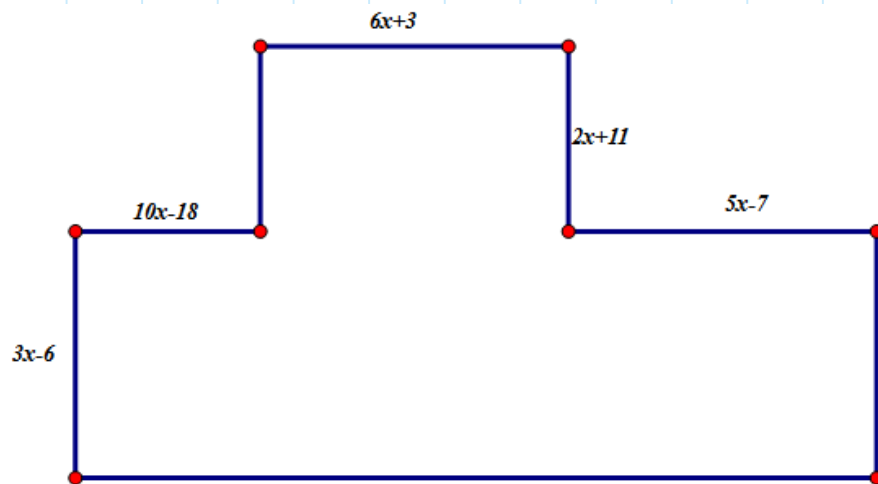
$$\frac{42x^2 - 9x}{3x} - \frac{64x^3 + 8x^2}{8x^2} =$$

$$\frac{25x^{3k+5} - 15x^{3k+1} - 75}{5x^{3k-2}} =$$

$$\frac{24x^{6k+2} - 8x^{6k-3} - 16x^{6k+1}}{8x^{6k-3}}$$

2. La différence de deux polynomes est $5x^2 - 9x + 3$. Un des polynomes est $-2x^2 + 5x - 10$. Quel est l'autre?

3. Quel est le perimetre de figures suivantes? Ecris une expression simplifiee.



4. Effectue les multiplications suivantes:

$$(x + 5)(x + 13) =$$

$$(x - 8)(x - 11) =$$

$$(x + 14)(x - 3) =$$

$$(x - 21)(x + 2) =$$

5. Decompose en facteurs, si possible:

$$9x + 6 =$$

$$15x - 45 =$$

$$16x^2 - 2x^3 =$$

$$40x^2y - 8x^3y =$$

$$9ab - 30ab^2 =$$

$$22x^2 - 12x + 30 =$$

$$36x^2 - 9x^3 - 21x =$$

$$x^2 + 5x + 4 =$$

$$x^2 - 8x + 15 =$$

$$x^2 - 3x - 108 =$$

$$x^2 - 9x + 20 =$$

$$x^2 + 9x - 70 =$$

$$x^2 - 100 =$$

$$x^2 - 225 =$$

$$x^2 - 64 =$$

$$x^2 + 2x + 1 =$$

$$x^2 + 10x + 25 =$$

$$x^2 - 16x + 64 =$$

$$x^2 - 24x + 144 =$$