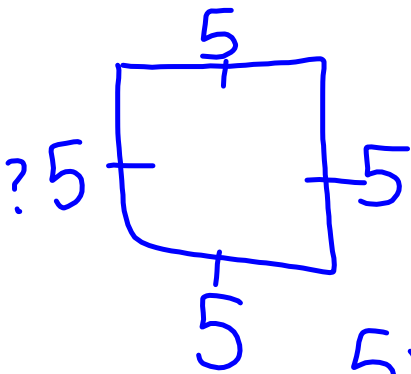


$$\begin{aligned} 1. \quad & 2(3x+5) + 2(3x^2+6x-10) \\ & \underbrace{6x}_{\text{green}} + \underbrace{10}_{\text{black}} + \underbrace{6x^2}_{\text{red}} + \underbrace{12x}_{\text{green}} + \underbrace{-20}_{\text{black}} \\ & = 6x^2 + 18x - 10 \end{aligned}$$

3.



$$5 \times 4 = 20$$

$$\begin{array}{r} 20 \\ 4 \overline{) 20} \\ \underline{20} \\ 0 \end{array}$$

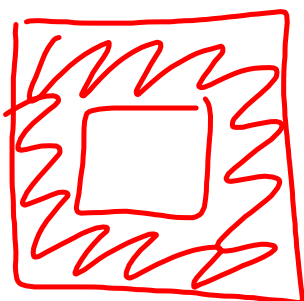
$$\frac{12x^5 - 8x^2 + 20x - 4}{4}$$

4

$$= \frac{12x^5}{4} - \frac{8x^2}{4} + \frac{20x}{4} - \frac{4}{4}$$

$$= 3x^5 - 2x^2 + 5x - 1$$

5.



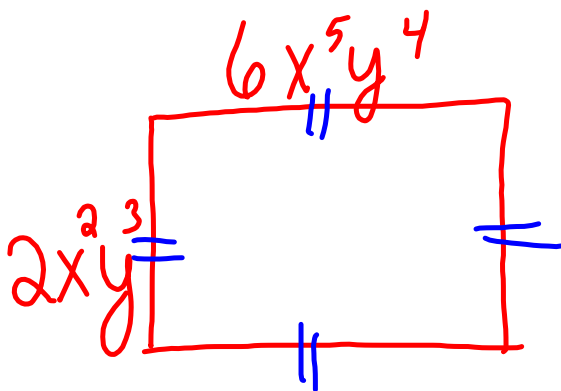
$$\begin{aligned} & 4x^2 + 4x + 1 - (x^2 - 5x + 6) \\ & \text{4x}^2 \text{ + 4x + 1 - 1x}^2 \text{ + 5x - 6} \\ & = 3x^2 + 9x - 5 \end{aligned}$$

$$5x^4 + 3x^2 - 6x + 8 - 1(x^2 - 2) - 1(x^2 - 2)$$
$$\boxed{5x^4} + \textcircled{3x^2} - \textcircled{6x} + \text{=} \textcircled{-1x^2} + \text{=} \textcircled{-1x^2} + \text{=} \text{}$$
$$= 5x^4 + 1x^2 - 6x + 12$$

$$1. \frac{5x^4y^3 - 15x^5y + 20x^4y^5}{5x^3y}$$

$$\frac{5x^4y^3}{5x^3y} - \frac{15x^5y}{5x^3y} + \frac{20x^4y^5}{5x^3y}$$

$$= 1x^1y^2 - 3x^2 + 4x^1y^4$$



Perimeter

$$2(2x^2y^3) + 2(6x^5y^4) \\ = 4x^2y^3 + 12x^5y^4$$

Area

$$2x^2y^3(6x^5y^4) \\ = 12x^7y^7$$

$$2x^5y^3(\underline{4x^2y^2} - 1x^5y^2) - 1(10x^7y^5 + 3x^{10}y^5)$$

$$\boxed{8x^7y^5} - 2x^{10}y^5 - \boxed{10x^7y^5} - 3x^{10}y^5$$

$$= -2x^7y^5 - 5x^{10}y^5$$