



$$x^a \cdot x^b = x^{a+b}$$

$$\left(\underline{-3}x^3y^2\right)\left(\underline{5}x^7y\right)\left(\underline{-1}xy^9\right)$$

$$15x^{11}y^{12}$$

$$(-x^9 y)(4x^7 y^4)\left(\frac{2}{3}x^8 y^8\right)$$

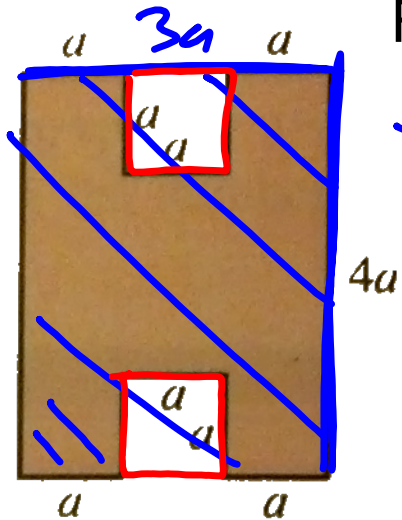
$$-\frac{8}{3}x^{24}y^{13}$$

$$x^{2n} \cdot x^{5n}$$

$$x^{7n}$$

$$a^{4b} \cdot a^6$$

$$a^{4b+6}$$



Find the perimeter and area.

P

$$a + a + a + a + a + 4a + 4a + a + a + a$$

$$18a$$

A

$$3a \cdot 4a - a^2 - a^2$$

$$12a^2 - 2a^2$$

$$10a^2$$

## HW Solutions

$$\textcircled{13} (4 + 2a^2 - 2a) - (3a^2 - 8a + 7)$$

$$4 + \underline{2a^2} - 2a - \underline{3a^2} + 8a - 7$$

$$\textcircled{-a^2 + 6a - 3}$$



$$\begin{aligned} & \textcircled{1} \quad (-4z^3 - 2z + 8) - (4z^3 + 3z^2 - 5) \\ & \quad \underline{-4z^3 - 2z + 8 - 4z^3 - 3z^2 + 5} \\ & \quad \underline{\underline{-8z^3 - 3z^2 - 2z + 13}} \end{aligned}$$

$$\textcircled{a)} \quad (3n^3 + 3n - 10) - (4n^2 - 5n) + (4n^3 - 3n^2 - 9n + 4)$$

$$\underline{\underline{3n^3}} + \underline{\underline{3n}} - \underline{\underline{10}} - \underline{\underline{4n^2}} + \underline{\underline{5n}} + \underline{\underline{4n^3}} - \underline{\underline{3n^2}} - \underline{\underline{9n}} + \underline{\underline{4}}$$

$$\underline{\underline{7n^3 - 7n^2 - n - 6}}$$

$$3n^3 + 4n^3 =$$

$$-4n^2 - 3n^2 =$$

pg. 153-154/19, 23, 29, 33, 35, 39, 45,

$$\textcircled{1} (-x^2 y^3)(3xy^2)(-2x^3 y)$$

$$\textcircled{6x^6 y^6}$$

$$\begin{array}{l}
 \text{Q3} \\
 \frac{3 \cancel{15} a^3 b}{1 \cancel{2}} \cdot \frac{4 \cancel{8} a b^2}{1 \cancel{10}} \\
 \hline
 6 a^4 b^3 \\
 \hline
 \frac{12 \cancel{2} a^4 b^3}{20}
 \end{array}$$

29

$$(4xy)(2xy^3)(-2y^2)$$

$$-16x^2y^6$$

(33)

$$(3a^5)(5a^3) - (6a^2)(a^6)$$

$$15a^8 - 6a^8$$

$$9a^8$$

