

Primero Medio Módulo 8

$$1) (a - b + c) - (a + b - c) + (-a + b + c)$$

$$\cancel{a} - \cancel{b} + c - \cancel{a} - \cancel{b} + c - \cancel{a} + \cancel{b} + c$$

$$\boxed{-a - b + 3c}$$

$$2) m - [-(m+m) - (m-m)] + (m-m)$$

$$m - [-m - m - m + m] + m - m$$

$$m + m + m - m + m - m$$

$$\boxed{4m - m}$$

$$3) (9a - 4c) - [(3a - b) - (4c - 6a)]$$

$$9a - 4c - [3a - b - 4c + 6a]$$

$$9a - 4c - \cancel{3a} + b + \cancel{4c} - \cancel{6a}$$

$$\boxed{b}$$

$$4) (7a - 2b) - [(3a - c) - (2b - 3c)]$$

$$7a - 2b - [3a - c - 2b + 3c]$$

$$7a - 2b - \cancel{3a} + c + \cancel{2b} - \cancel{3c}$$

$$\boxed{4a - 2c}$$

$$5) 2a - 2b + \{3x - 3a - (a-b)\} - (a-b)$$

$$2a - 2b + \{3x - 3a - a + b\} - a + b$$

$$2a - 2b + 3x - 3a - a + b - a + b$$

$$\boxed{-3a + 3x}$$

$$6) a - [2b - \{3x - 3a - (a-2b)\} + (a-b)]$$

$$a - [2b - \{3x - 3a - a + 2b\} + a - b]$$

$$a - [2b - 3x + 3a + a - 2b + a - b]$$

$$a - 2b + 3x - 3a - a + 2b - a + b$$

$$\boxed{-4a + 3x + b}$$

$$\begin{aligned} 7) & -[b - (a - b)] - (-[-(b - a)]) \\ & -[b - a + b] - ((-(-b + a))) \\ & -b + a - b - (b - a) \\ & -b + a - b - b + a \\ & \boxed{-3b + 2a} \end{aligned}$$