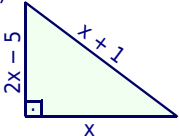
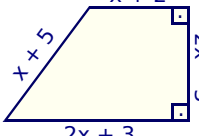
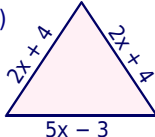
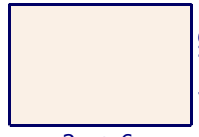
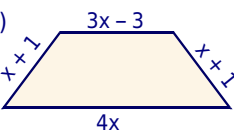
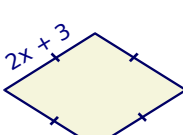
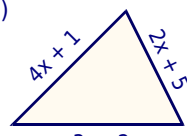
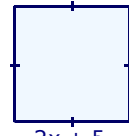


QUESTÕES

01. Reduza as expressões algébricas.

- A) $x + 3x + 5x + 7x + 9x - 20x$
 B) $2x + 4x + 6x + 8x + 10x + 12x - 45x$
 C) $x - 2x - 3x + 4x - 5x + 6x - 7x + 2x$
 D) $4x + 10 + 3x + 15x + 8 - 6x + 7 - 3x - 32$
 E) $6x - 20 - 4x + 8 - 5x + 6 - 7x + 1 - 4x + 13 + 6x - 10$
 F) $-4x + 9 + 5x - 8 - 8x + 10 + 9x + 5 - 8x - 13 + 6x + 2$
 G) $3x - 70 - 5x + 81 - 11x + 34 - 14x - 90 + 28x + 45$
 H) $4x + 10 - 10x + 4 - 6x - 30 + 11x + 16$

02. Expresse algebricamente o perímetro das figuras.

- A)  E) 
 B)  F) 
 C)  G) 
 D)  H) 

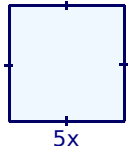
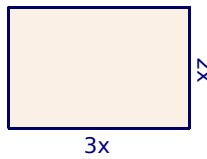
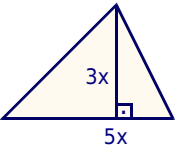
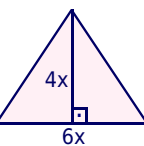
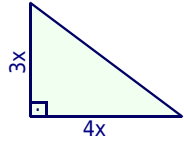
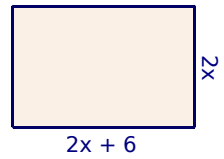
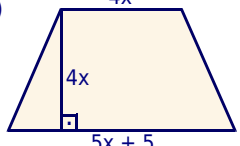
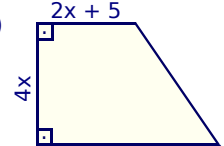
03. Obtenha o valor numérico das expressões.

- A) $2x + 3$, sendo $x = 5$.
 B) $4x + 7$, sendo $x = -1$.
 C) $7xy - 3x + 7$, sendo $x = 2$ e $y = -3$.
 D) $x^2 - 5x + 7$, sendo $x = -3$.
 E) $2x^2y + 3x^2 - 6x + 20$, sendo $x = -1$ e $y = -2$.
 F) $10x^2 - 6xy + 10$, sendo $x = -\frac{5}{2}$ e $y = -\frac{4}{3}$.
 G) $\frac{5x+1}{3y-7}$, sendo $x = 3$ e $y = 5$.
 H) $\frac{3x^2 - 4x + 2}{y+1}$, sendo $x = -\frac{3}{4}$ e $y = -\frac{1}{2}$.

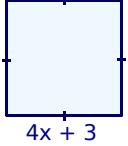
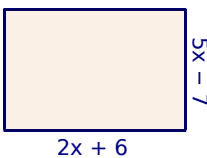
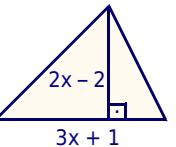
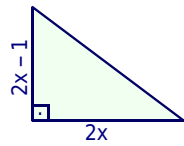
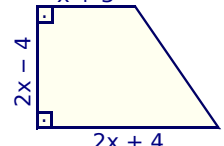
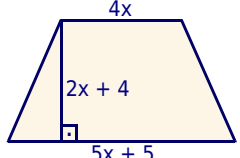
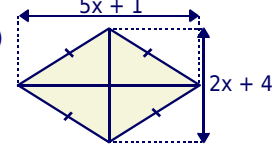
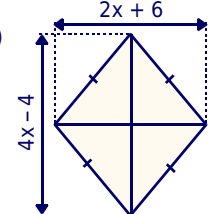
04. Elimine os parênteses e reduza as expressões.

- A) $3(x + 3) - 3(x - 2) + 7(x + 8) - 5(2x - 4)$
 B) $4(x + 10) - 10(2x - 7) - 2(4x + 1) - x$
 C) $5(2x + 8) - 6(4x - 1) - 7(x + 20) - 8x - 6(2x - 7)$
 D) $4(2x + 3) - 2(6x + 8) - 8(6x - 2) - 5(4 - 20x)$

05. Escreva a expressão algébrica que representa a área das figuras planas a seguir.

- A) 
 B) 
 C) 
 D) 
 E) 
 F) 
 G) 
 H) 

06. Represente algebricamente a área das figuras planas a seguir.

- A) 
 B) 
 C) 
 D) 
 E) 
 F) 
 G) 
 H) 

07. Determine a área e o perímetro das figuras a seguir.

- A) Sendo $x = 3$. B) Sendo $x = 4$.
