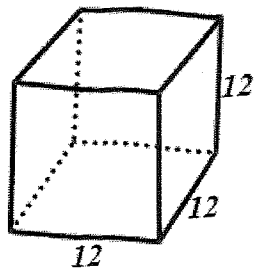
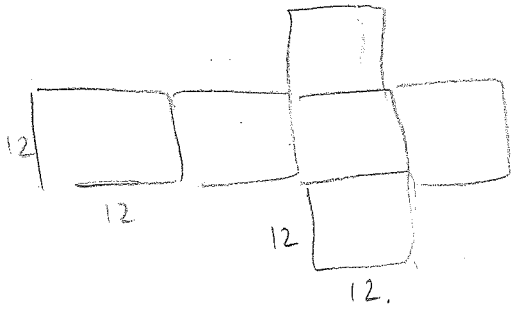
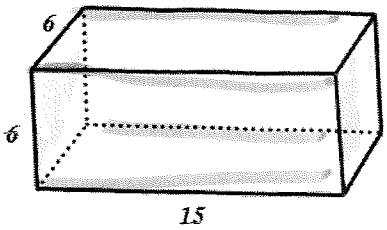
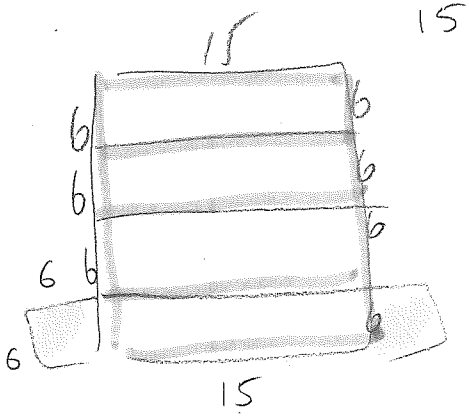
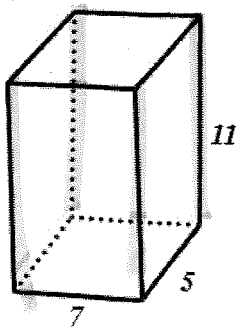
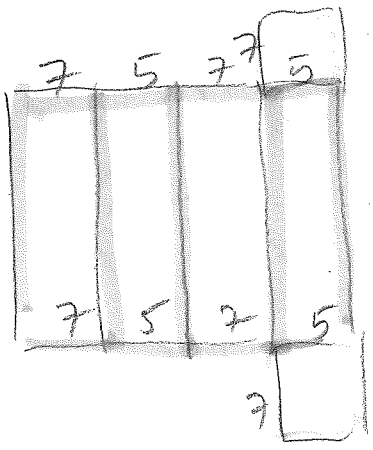
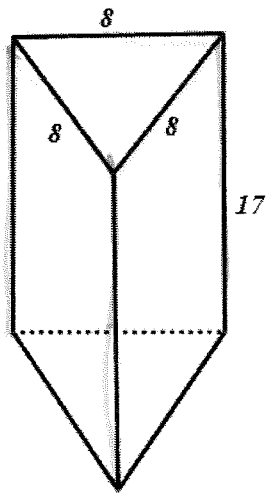
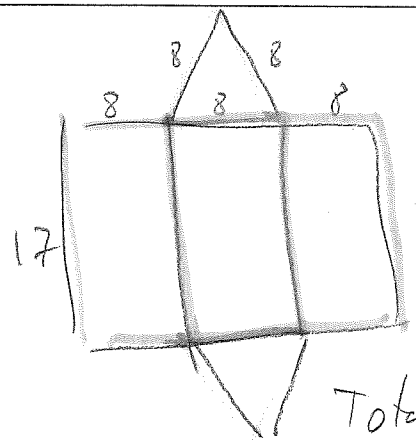
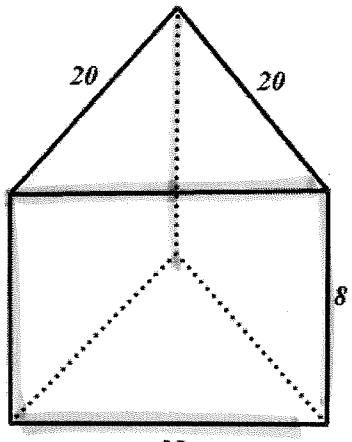
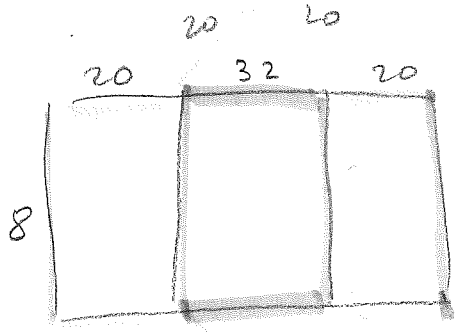
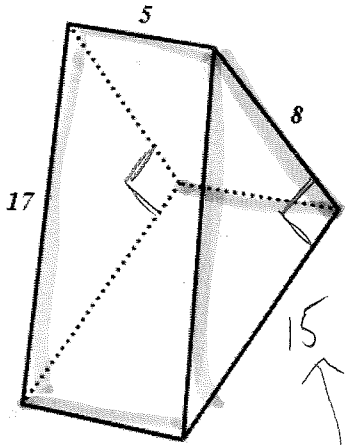
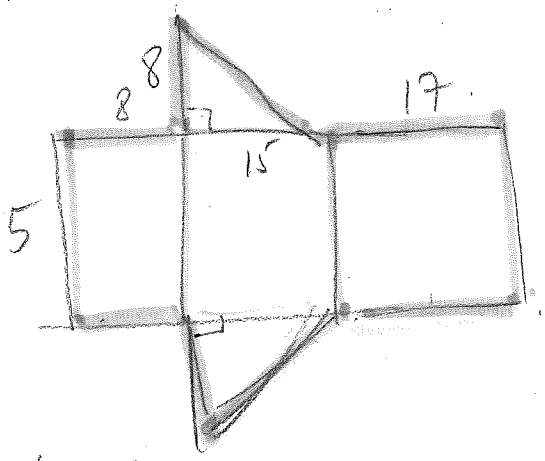
Aires et développements de prismes Nom_____Per_____

Pour chacun des prismes rectangulaires suivants, dessine le développement et calcule l'aire :

Objet	Développement et aire
	$12 \times 12 \times 6 = \boxed{864}\ u^2$ 
	$36 \times 2 = 72$ $15 \times 6 \times 4 = 360$ Total : $\boxed{432\ u^2}$ 
	$11 \times 7 \times 2 = 154$ $11 \times 5 \times 2 = 110$ $7 \times 5 \times 2 = 70$ Total : 334 u^2 

2. Mêmes consignes pour chacun des prismes triangulaires suivants :

Objet	Développement et aire
	 Aire rectangles : $8 \times 17 \times 3 = 408$ Aire 2 Δ ≃ 55,42 Total : 463,42 u²
 	 Total : 960 u² Aire rectangles : $72 \times 8 = 576$. Aire 2 Δ : $\frac{12 \times 32}{2} \times 2 = 384$
 $17^2 - 8 = 225$	 Aire rectangle = $40 \times 5 = 200$. Aire 2 Δ : $\frac{8 \cdot 15}{2} \cdot 2 = 120$ Total : 320 u²