Name: **Answer Key**

For Questions 1-4, use the solid to the right.

1. Name the solid: **Triangular Prism**

10m / 6 / 6 m / 12 m / 8
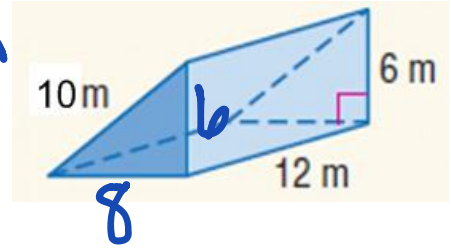
2. Sketch a net of the solid. Consider the space between dots as 2m.

10m   8m   6m
12m
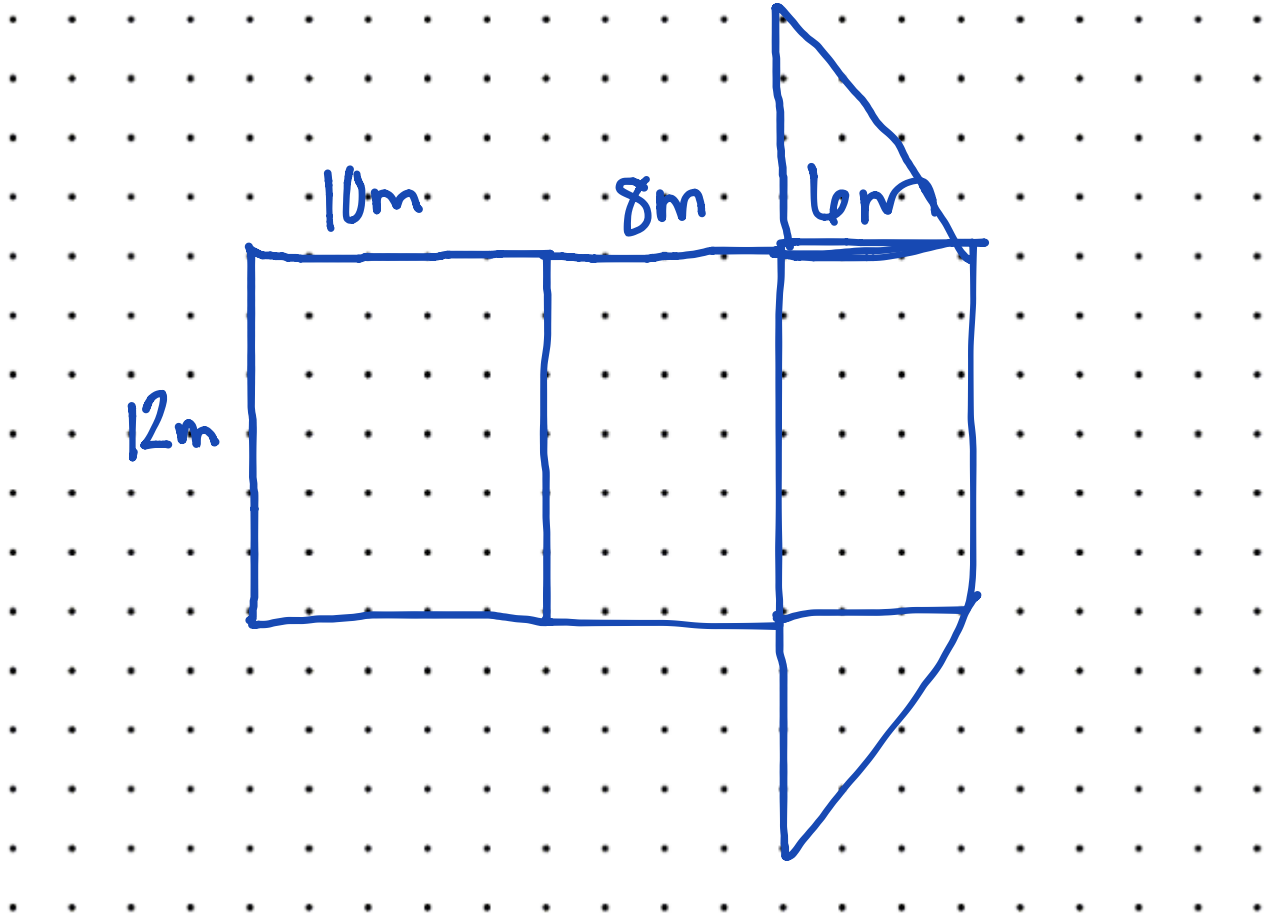
3. Determine the lateral area.

$$L = Ph$$
$$= (10+8+6) \cdot 12$$
$$= 24 \cdot 12$$
$$= \boxed{288 \, m^2}$$

4. Determine the surface area.

$$SA = L + 2B$$
$$= 288 + 2\left(\frac{1}{2} \cdot 6 \cdot 8\right)$$

$= 288 + 48$

$= \boxed{336 m^2}$