

Mensuration

Triangle **B**

$$A = \frac{1}{2}bh$$

**Parallelogram;
trapezium**

$$A = bh; \quad A = \frac{1}{2}(a + b)h$$

Circle **B**

$$A = \pi r^2, \quad C = 2\pi r$$

Arc; sector (angle θ)

$$\text{arc} = \frac{\theta}{360} \times 2\pi r, \quad \text{sector} = \frac{\theta}{360} \times \pi r^2$$

**Curved surface:
cylinder; cone
(slant l)** **B**

$$A = 2\pi rh; \quad A = \pi rl$$

**Sphere, surface
area** **B**

$$A = 4\pi r^2$$

Prism; pyramid **B**

$$V = Al; \quad V = \frac{1}{3}Ah$$

Cylinder; cone **B**

$$V = \pi r^2 h; \quad V = \frac{1}{3}\pi r^2 h$$

B given in the exam. Learn the rest.