
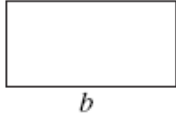
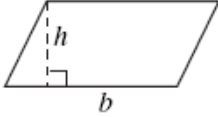
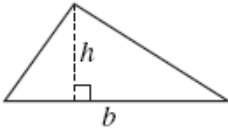
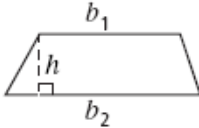


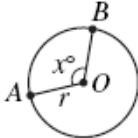
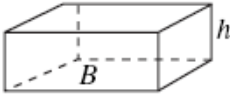
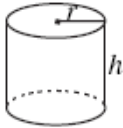


GRADE 8 FORMULA SHEET

You may use the formulas below to solve problems on this test.

Area of a Square		
Area = s^2		
Area of a Rectangle or a Parallelogram		
Area = bh	 	
Area of a Triangle		
Area = $\frac{1}{2}(bh)$ or $\frac{bh}{2}$		
Area of a Trapezoid		
Area = $\frac{1}{2}h(b_1 + b_2) = \frac{(b_1 + b_2)h}{2}$		
Area of a Circle and Circumference of a Circle		
Area = πr^2 Circumference = $2\pi r$ or πd	 	
Area of a Sector of a Circle and Perimeter of a Sector of a Circle		
Area of Sector $AOB = \frac{x^\circ}{360^\circ} \cdot \pi r^2$		Perimeter of Sector $AOB = \frac{x^\circ}{360^\circ} \cdot 2\pi r + 2r$
Volume of a Prism and Volume of a Cylinder		
Volume = Bh where B is the area of the base		Volume = $\pi r^2 h$ 
Surface Area of a Cylinder		
Surface Area = $2\pi r^2 + 2\pi rh$	