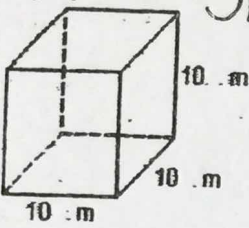
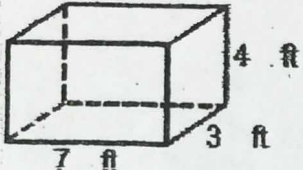
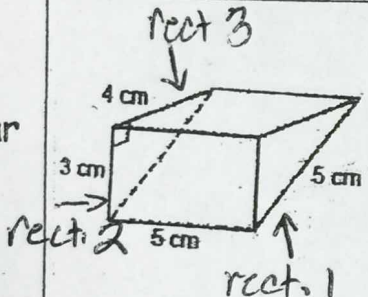
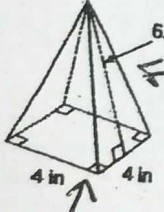
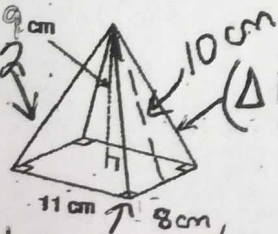


- ① find Area of each face
 ② Add all Areas of faces together. **Key**

Surface Area Formula Notes

Name _____

Figure	Sketch	Formula/steps to solve
Cube		$SA = 6 \text{ faces} \cdot \text{Area of square}$ $6 \cdot s^2$ $6 \cdot 10m \cdot 10m$ $SA = \boxed{}$
Rectangular prism		$SA = 6 \text{ faces} - 3 \text{ rectangles}$ $\text{Front/Back } 4 \times 7 \quad 2 \cdot 4ft \cdot 7ft = 56ft^2$ $\text{Top/Bottom } 3 \times 7 \quad 2 \cdot 3ft \cdot 7ft = 42ft^2$ $\text{Sides } 4 \times 3 \quad 2 \cdot 4ft \cdot 3ft = 24ft^2$ $SA = \boxed{}$
Triangular prism		$SA = 5 \text{ faces} - 2 \Delta's + 3 \text{ rectangles}$ $2 \Delta's = 2 \cdot \frac{1}{2} 3cm \cdot 4cm = 12cm^2$ $\text{rect. 1 } 5cm \cdot 5cm = 25cm^2$ $\text{rect. 2 } 3cm \cdot 5cm = 15cm^2$ $\text{rect. 3 } 4cm \cdot 5cm = 20cm^2$ $SA = \boxed{}$
Square pyramid		$SA = 5 \text{ faces} - 1 \text{ square} + 4 \Delta's$ $\text{Base square} - s^2 \rightarrow 4in \cdot 4in = 16in^2$ $4 \Delta's \rightarrow 4 \cdot \frac{1}{2} 4in \cdot 6in = 48in^2$ $SA = \boxed{}$
Rectangular Pyramid		$SA = 5 \text{ faces} - 1 \text{ rectangle} + 4 \Delta's$ $\text{Base rectangle } 11cm \cdot 8cm = 88cm^2$ $2 \cdot \frac{1}{2} 11cm \cdot 10cm = 110cm^2$ $2 \cdot \frac{1}{2} 8cm \cdot 10cm = 80cm^2$ $SA = \boxed{}$