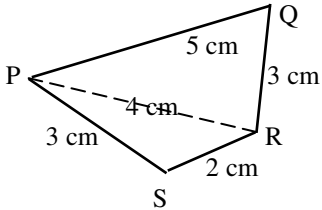
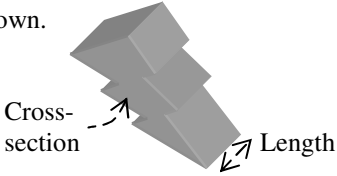
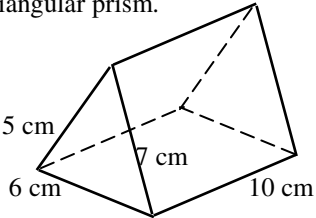
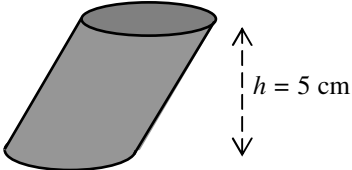


<p>1. Find the area of the quadrilateral. Round the answer to the nearest cm^2.</p> 	<p>2. A quadrilateral similar to the one in Q1 has the diagonal PR increased to 10 cm. Find the (i) perimeter and (ii) area (round to the nearest cm^2) of this larger quadrilateral.</p>
<p>3. The volume of the prism is 5.2 cm^3. Find the volume of a similar prism with the cross-sectional area $\frac{1}{4}$ of that of the one shown.</p> 	<p>4. Refer to the prism in Q3. Find the volume of a similar prism when the length measure is doubled.</p>
<p>5. Find the (i) total surface area and (ii) volume of the triangular prism.</p> 	<p>6. Refer to the prism in Q5. Find the volume of a similar prism when all the length measures are doubled.</p>
<p>7. Refer to the prism in Q5. Find the total surface area of a similar prism when all the length measures are doubled.</p>	<p>8. Refer to the prism in Q5. Find the total surface area of the prism if the cross-sectional area is quadrupled.</p>
<p>9. The volume of the solid is $10\sqrt{2} \text{ cm}^3$. Find the height h of a similar solid with twice the total surface area.</p> 	<p>10. Refer to the solid in Q9. Find the volume of a similar solid with twice the total surface area.</p>
<p>11. Refer to the solid in Q9. Find the height h of a similar solid with twice the volume.</p>	<p>Numerical, algebraic and worded answers.</p> <ol style="list-style-type: none"> 1. 9 cm^2 2. (i) 32.5 cm (ii) 56 cm^2 3. 1.3 cm^3 4. 10.4 cm^3 5. (i) 209.39 cm^2 (ii) 147.97 cm^3 6. 1175.76 cm^3 7. 837.58 cm^2 8. 477.58 cm^2 9. 7.1 cm approx. 10. 40 cm^3 11. 6.3 cm approx.