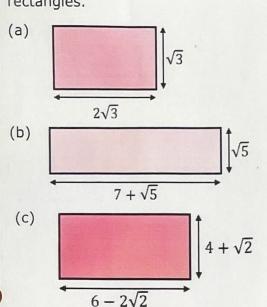
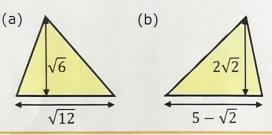
Surds with Perimeter, Area, Volume

Find the area and perimeter of these rectangles.



- (a) Area = 6 Perimeter = 6/3
- (b) Area = 75 + 5 Perimeter = 14 + 455
- (c) Area = 20-252 Perimeter = 20-2/2

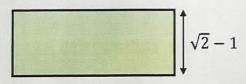
Find the area of these triangles.



(a) $3\sqrt{2}$

$$(b)$$
 $5\sqrt{2} - 2$

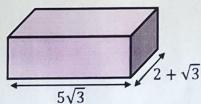
The perimeter of this rectangle is $8\sqrt{2}$. Find the area of the rectangle.



(a) Length = $3\sqrt{2} + 1$ Area = $5 - 2\sqrt{2}$

(a) Height = $\sqrt{2} - 1$

(a) The volume of the cuboid shown is $15 + 5\sqrt{3}$. Find the height of the cuboid.



- (b) Radius = 25
- (b) The volume of a cylinder is $40\pi + 20\pi\sqrt{2}$. If the height of the cylinder is $2 + \sqrt{2}$, find the exact radius of the cylinder.