Calculate the exact trigonometric values

Sin (0)	
Sin (30)	
Sin (45)	
Sin (60)	
Sin (90)	

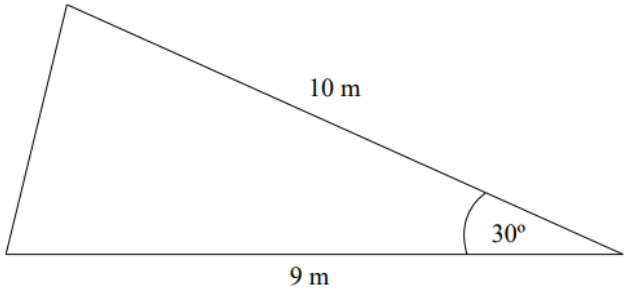
Write $0.\dot{2}\dot{7}$ as a fraction in its simplest form.

Find the interior and exterior angle of a regular pentagon.

Interior ……

Exterior ……

Work out the area of this triangle



…… m^2

Simplify $\frac{(3+\sqrt{6})}{\sqrt{3}}$

Liquid A has a density of 2 g/cm^3

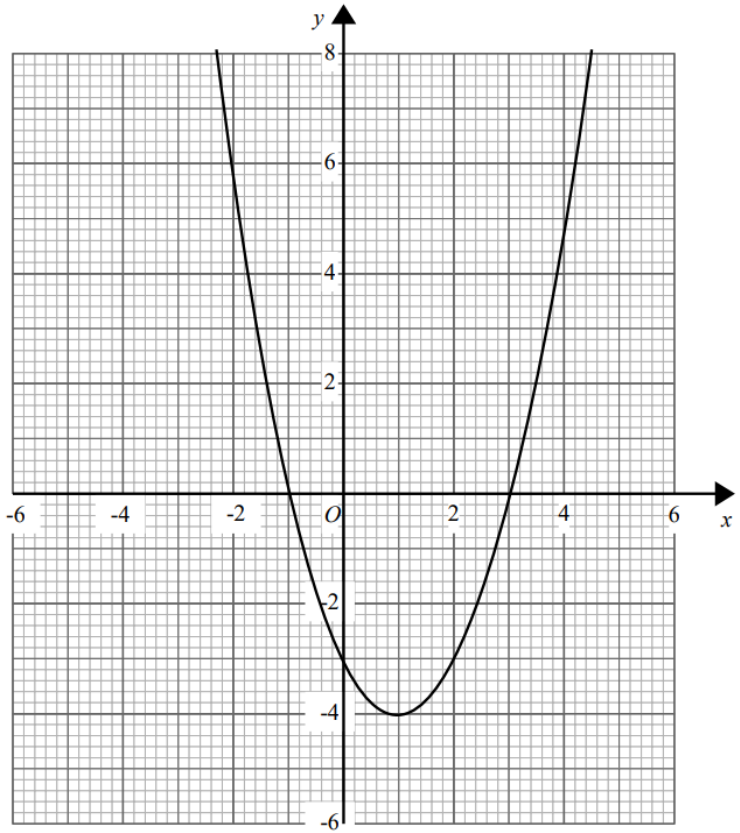
100 cm^3 of Liquid A is mixed with Liquid B to make Liquid C.

Liquid C has a mass of 300 g and a density of 1.5 g/cm^3

Find the density of Liquid B

	Density	Mass	Volume
Liquid A			
Liquid B			
Liquid C			

Here is the graph of $y = x^2 – 2x – 3$



Write down the turning point of the graph $y = x^2 – 2x – 3$

(……. , ……..)

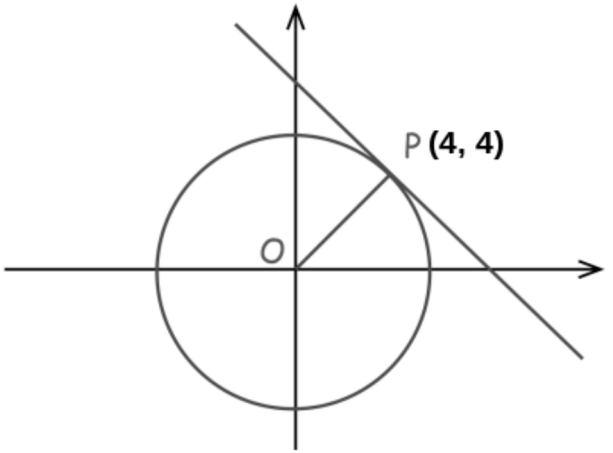
Use the graph to find the roots of the equation $x^2 – 2x – 3 = 0$

……

Use the graph to find the roots of the equation $x^2 – 2x – 3 = 2$

……

The diagram shows the circle $x^2 + y^2 = 16$ with a tangent at the point (4, 4)



Find the gradient of the line OP

……

Find the gradient of the tangent

……

Find the equation of the tangent

……