2nd February

Rationalise

\[ \frac{2}{\sqrt{3}} \]

Calculate an estimate for the acceleration after 5 seconds

Here is a velocity time graph for the first 60 seconds of a journey.

Calculate an estimate for the total distance travelled in the 60 seconds.

Solve the simultaneous equations

\[ y = x + 3 \]
\[ x^2 + y^2 = 29 \]

A circle, centre (0, 0) has radius 4. Write the equation of the circle.