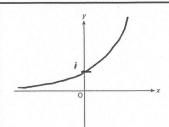
## 9th October

## Sketch

$$y = 2^x$$





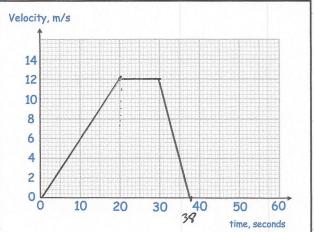
A remote control car drives in a straight line.

It starts from rest and travels with constant acceleration for 20 seconds reaching a velocity of 12m/s.

It then travels at a constant speed for 10 seconds.

It then slows down with constant deceleration of 1.5m/s².

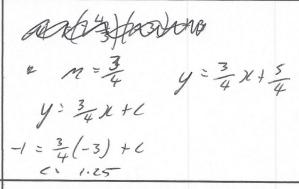
Draw a velocity-time graph and work out the total distance travelled.

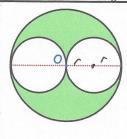


The line AB has equation 4x + 3y = 9

Find an equation of the line perpendicular to the line AB that passes through the point (-3, -1)

$$4x + 3y = 9$$
  
 $3y = -4x + 9$   
 $y = -\frac{4}{3}x + 3$ 





white circle: TTr2

green circle: TT(2r)

: 4TTr2

4TTr2

411-2- 211-2 XIC

Two identical small circles are drawn inside a large circle.

What percentage of the large circle is shaded?

50%