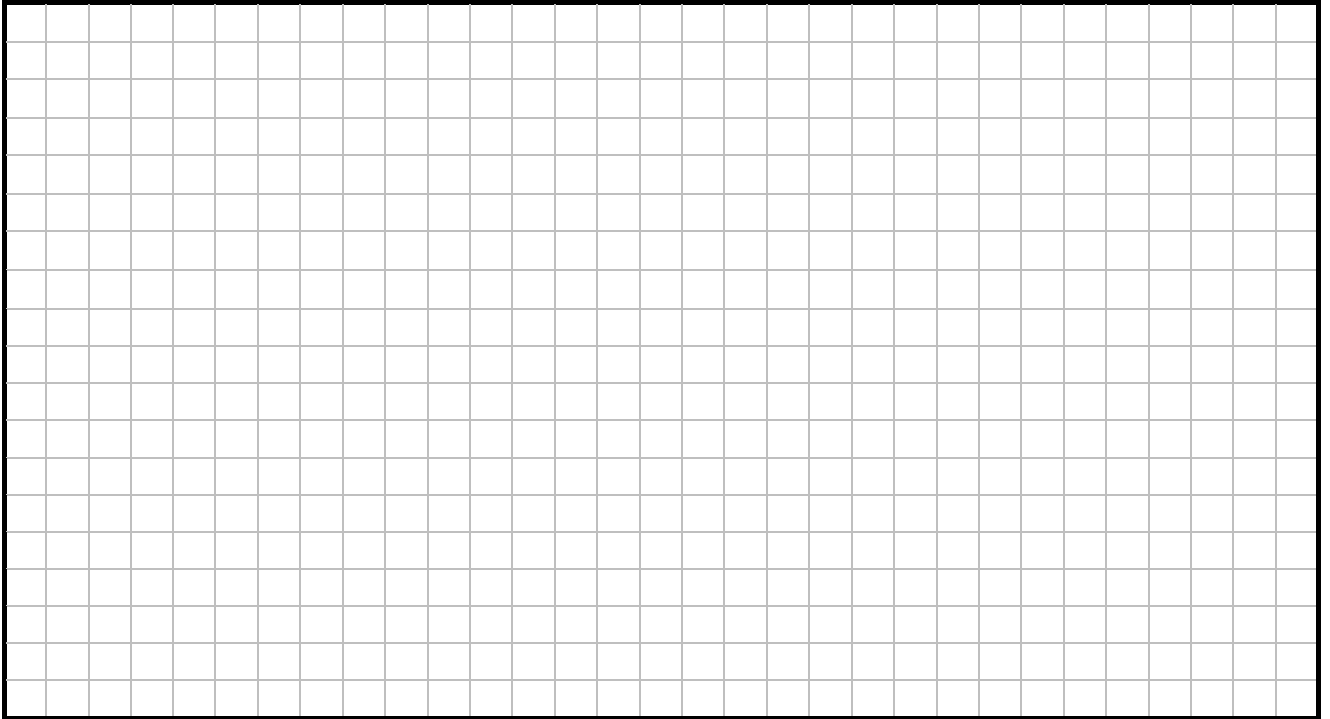


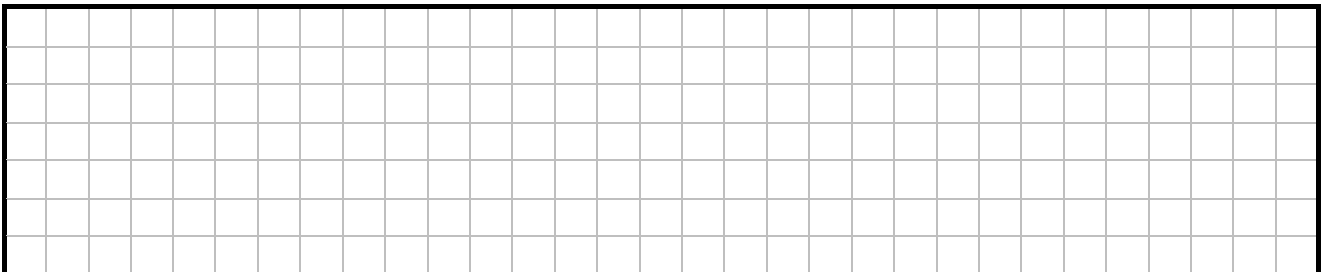
(a) Solve for x and y

$$\begin{aligned}x + 2y &= 3 \\x^2 - y^2 &= 24\end{aligned}$$



(b) $u^2 + 2as = v^2$

(i) Find the value of a , when $u = 10$, $s = 30$ and $v = 20$.



(ii) Horst thinks that you could get the correct answer if you let $u = 1$, $s = 3$ and $v = 2$ and then multiply your answer by 10. Is he correct?

