

Place the letter of the correctly matching line in the box beside each equation.


In each question, graph the line described then determine its equation and write it in the space provided.


1. The lin through the points

2. The line through the points $A(-5,6)$ and $(-1,2$
$A(-5,6)$ and $(-1,2) y=-x+1$
$m=-4 / 4=-1$
$b=1$

3. The line with $x$-intercept -4 and $y$-intercept 6. B

$$
\begin{aligned}
& m=6 / 4=3 / 2 \\
& b=6
\end{aligned} \quad y=\frac{3}{2} x+6
$$

2. The line through the points $A(1,0)$ and $(3,8)$.


3. The line through the origin and the point $(8,-6)$.
$\begin{aligned} & m=-6 / 8=-3 / 4 y \\ & b=0\end{aligned} \quad y=\frac{-3}{4} x$

4. The line with $x$-intercept 7 and through the point $(-7,-4)$. 3
$m=4 / 14=2$
$b=-2$

5. The line through the points $(-6,-6)$ and $(3,-3)$.
$m=3 / 9=1 / 3 \quad y=\frac{1}{3} x-4$
$b=-4$

6. The line with $x$-intercept 6 and $y$-intercept 4
$m=-4 / 6=-2 / 3 y=\frac{-2}{3} x+4$
$b=4$

7. The line with $y$-intercept $\frac{3}{2}$ and through $(5,4)$.
$\begin{aligned} & m=1 / 2 \\ & b=\frac{3}{2}\end{aligned} \quad y=\frac{1}{2} x+\frac{3}{2}$

## Mathematics 9



1. $y=3 x-1$
2. $y=4 x-4$
3. $y=\frac{1}{3} x-4$
4. $y=-x+1$
5. $y=-\frac{3}{4} x$
6. $y=-\frac{2}{3} x+4$
7. $y=\frac{3}{2} x+6$
8. $y=\frac{2}{7} x-2$
9. $y=\frac{1}{2} x+\frac{3}{2}$
10. $y=-5$
11. $x=-3$
12. $y=\frac{2}{7} x+4$
13. $y=\frac{4}{3} x+8$
14. $y=\frac{1}{5} x-6$
15. $y=-6 x+7$
