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| **Solving Simultaneous Equations Graphically** |
| **(a)** | **(b)** |
| Plot the graphs of $x+y=5$ and $x+3y=9$Find the solution to the simultaneous equations $x+y=5$ and $x+3y=9$ | Plot the graphs of $x+y=7$ and $5x+2y=20$Find the solution to the simultaneous equations $x+y=7$ and $5x+2y=20$ |
| **(c)** | **(d)** |
| Plot the graphs of $y=x+1$ and $x+y=9$Find the solution to the simultaneous equations $y=x+1$ and $x+y=9$ | Plot the graphs of $y=2x$ and $2x+y=12$Find the solution to the simultaneous equations $y=x+1$ and $x+y=9$ |
| **(e)** |
| Plot the graphs of $x+y=8$, $y=x$, $y=\frac{1}{2}x+5$ and $x+y=11$Use the graphs to find the solutions of the simultaneous equations:(i) $x+y=8$ and $y=x$(ii) $x+y=8$ and $y=\frac{1}{2}x+5$ (iii) $y=x$ and $x+y=11$ |