| | | | | |
|---|---|---|---|---|
| **23** | $y=\frac{3}{5}x\left(+\frac{6}{5}\right)$ or $y=0.6x\left(+1.2\right)$ **or**<br>(gradient =) $\frac{3}{5}$ or 0.6 oe | | 6 | M1 for correct gradient which may be seen in an equation.<br>Condone $\frac{3}{5}x$ or $0.6x$ |
| | $k=-2$ | | | B1 for $k=-2$ |
| | $\left(\frac{"-2"+8}{2},\frac{1+7}{2}\right)$ oe or (3, 4) | | | M1 for finding the midpoint (use of their $k$ where $k < 0$) |
| | $"\frac{3}{5}"m=-1$ **or** $(m=)"-\frac{5}{3}"$ | | | M1ft their gradient for use of<br>$m_1 \times m_2 = -1$<br>Allow $-\frac{5}{3} = -1.67$ or better |
| | $"4"="-\frac{5}{3}"\times"3"+c$ or $c = 9$ or<br>$y-"4"="-\frac{5}{3}"\left(x-"3"\right)$ | | | M1 dep on M3 |
| | *Working required* | $5x + 3y = 27$ | | A1 allow equation in any form where $p$, $q$ and $r$ are integers |
| | | | | **Total 6 marks** |