|  |
| --- |
| **Rearranging Harder Formulae** |
| Make $x$ the subject of each of the formulae. |
| **(a)** | **(b)** | **(c)** | **(d)** |
| $$a=b+x^{2}$$ | $$a^{2}=b^{2}+x^{2}$$ | $$b=\frac{x^{3}}{2a}$$ | $$b=2a+\sqrt{x}$$ |
| **(e)** | **(f)** | **(g)** | **(h)** |
| $$b=\sqrt{\frac{x}{a}}$$ | $$a+5=\sqrt{\frac{x}{b}}$$ | $$ax=x+5$$ | $$ax+b=a+x$$ |
| **(i)** | **(j)** | **(k)** | **(l)** |
| $$a=\frac{x}{x+1}$$ | $$a\left(x-b\right)=bx$$ | $$b=\frac{x+a}{x-a}$$ | $$a=\sqrt{\frac{x}{x+b}}$$ |