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| **Fill in the Blanks** | **Rearranging Formulae**  |

Rearrange each formula to make $x$ the subject.

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| **Question** | **Collect all** $x$ **terms**  | **Take out** $x$ **as a common factor** | **Divide by bracket** |
| $$ax=bx+c$$ | $$ax-bx=c$$ | $$x\left(a-b\right)=c$$ | $$x=\frac{c}{a-b}$$ |
| $$ax=c-bx$$ | $$ax+bx=c$$ |  |  |
| $$ax-b=cx$$ |  |  |  |
| $$ax-b=cx-d$$ | $$ax+cx=b-d$$ |  |  |
| $$ax+b=d-cx$$ |  |  |  |
| $$x-a=bx$$ | $$x-bx=a$$ | $$x\left(1-b\right)=a$$ |  |
| $$ax-b=c+x$$ |  |  |  |
| $$2+ax=bx+c$$ |  |  |  |
| $$2x-a=b+cx$$ |  |  |  |
| $$a^{2}x-1=c-bx$$ |  |  |  |
| $$2ax-1=b+c^{2}x$$ |  |  |  |
| $$a-b^{3}x=2-cx$$ |  |  |  |