Fill In The Blanks…

**Expanding and Factorising Quadratics**

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| --- | --- | --- | --- |
| **1st Bracket** | **2nd Bracket** | **Expanded Form** | **Simplified Form** |
| $$(x+2)$$ | $$(x+5)$$ | $$x^{2}+2x+5x+10$$ | $$x^{2}+7x+10$$ |
| $$(x-3)$$ | $$(x+6)$$ |  |  |
| $$(x+4)$$ | $$(x-5)$$ |  |  |
| $$(x-3)$$ | $$(x-2)$$ |  |  |
| $$(x+3)$$ |  | $$x^{2}+3x+7x+21$$ |  |
|  | $$(x+1)$$ | $$x^{2}-5x+x-5$$ |  |
|  | $$(x+2)$$ |  | $$x^{2}+11x+18$$ |
| $$(x+5)$$ |  |  | $$x^{2}+2x-15$$ |
|  | $$(x-2)$$ |  | $$x^{2}-6x+8$$ |
|  | $$(x-4)$$ |  | $$x^{2}+5x-36$$ |
|  |  | $$x^{2}+4x+7x+28$$ | $$x^{2}+11x+28$$ |
|  |  | $$x^{2}+4x+2x+8$$ | $$x^{2}+6x+8$$ |
|  |  |  | $$x^{2}+10x+9$$ |
|  |  |  | $$x^{2}+13x+40$$ |
|  |  | $$x^{2}-4x-3x+12$$ | $$x^{2}-7x+12$$ |
|  |  |  | $$x^{2}+2x-35$$ |
|  |  |  | $$x^{2}+4x-12$$ |
|  |  |  | $$x^{2}-7x+6$$ |
|  |  |  | $$x^{2}-12x+20$$ |