Fill In The Blanks…

**Expanding Harder Double Brackets**

|  |  |  |  |
| --- | --- | --- | --- |
| **Double Brackets Form** | **Grid** | **Expanded Form** | **Simplified Expanded Form** |
| $$(2x+1)(x+5)$$ | $$×$$ | $$2x$$ | $$+1$$ | $$2x^{2}+x+10x+5$$ |  |
| $$x$$ | $$2x^{2}$$ | $$+x$$ |
| $$+5$$ | $$+10x$$ | $$+5$$ |
| $$(x+3)(3x+2)$$ | $$×$$ | $$x$$ | $$+3$$ |  |  |
| $$3x$$ | $$3x^{2}$$ | $$+9x$$ |
| $$+2$$ | $$+2x$$ | $$+6$$ |
| $$(2x+7)(x+1)$$ | $$×$$ | $$2x$$ | $$+7$$ |  |  |
| $$x$$ |  |  |
| $$+1$$ |  |  |
| $$(4x+3)(x+3)$$ | $$×$$ |  |  |  |  |
|  |  |  |
|  |  |  |
| $$(2x+1)(x-3)$$ | $$×$$ | $$2x$$ | $$+1$$ |  |  |
| $$x$$ |  |  |
| $$-3$$ | $$-6x$$ | $$-3$$ |
| $$(3x+1)(x-5)$$ | $$×$$ | $$3x$$ | $$+1$$ |  |  |
| $$x$$ |  |  |
| $$-5$$ |  |  |
| **Double Brackets Form** | **Grid** | **Expanded Form** | **Simplified Expanded Form** |
| $$(2x-5)(x+3)$$ | $$×$$ | $$2x$$ | $$-5$$ |  |  |
| $$x$$ |  |  |
| $$+3$$ |  |  |
| $$(6x-1)(x+5)$$ | $$×$$ |  |  |  |  |
|  |  |  |
|  |  |  |
| $$(2x-3)(x-2)$$ | $$×$$ | $$2x$$ | $$-3$$ |  |  |
| $$x$$ |  |  |
| $$-2$$ |  | $$+6$$ |
| $$(3x-1)(x-8)$$ | $$×$$ |  |  |  |  |
|  |  |  |
|  |  |  |
| $$(3x+1)(2x-1)$$ | $$×$$ | $$3x$$ | $$+1$$ |  |  |
| $$2x$$ | $$6x^{2}$$ |  |
| $$-1$$ |  |  |
| $$(2x+1)^{2}$$ | $$×$$ | $$2x$$ | $$+1$$ |  |  |
| $$2x$$ |  |  |
| $$+1$$ |  |  |
| $$(3-5x)^{2}$$ | $$×$$ | $$3$$ | $$-5x$$ |  |  |
| $$3$$ |  |  |
| $$-5x$$ |  |  |