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| **Fill in the Blanks** | **More Quadratic Expressions and Equations** |

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| Quadratic in the form $f\left(x\right)=ax^{2}+bx+c$ | Quadratic in factorised form | Quadratic in completed square form | Solutions to quadratic equation $f\left(x\right)=0$ |
| $$f\left(x\right)=4x^{2}+16x+7$$ |  |  |  |
| $$f\left(x\right)=4x^{2}-4x-3$$ |  |  |  |
|  | $$f\left(x\right)=2x(x+4)$$ |  |  |
|  |  | $$f\left(x\right)=3\left(x+\frac{5}{3}\right)^{2}-\frac{49}{3}$$ |  |
|  |  | $$f\left(x\right)=2\left(x-\frac{1}{4}\right)^{2}-\frac{25}{8}$$ |  |
|  |  |  | $$x=-\frac{1}{3}, x=-2$$ |
|  |  |  | $$x=\frac{3}{2}, x=-\frac{3}{4}$$ |
|  |  |  | $$x=\frac{p}{2}, x=-\frac{3p}{2}$$ |