Definition —
The special axioms for the first order theory $\mathcal{PA}$ for arithmetic:

(PA1) $(x_1 = x_2 \to (x_1 = x_3 \to x_2 = x_3))$

(PA2) $(x_1 = x_2 \to (x_1' = x_2'))$

(PA3) $(\overline{0} \neq x_1')$

(PA4) $(x_1' = x_2' \to x_1 = x_2)$

(PA5) $(x_1 + \overline{0} = x_1)$

(PA6) $(x_1 + x_2' = (x_1 + x_2)')$

(PA7) $(x_1 \times \overline{0} = \overline{0})$

(PA8) $(x_1 \times x_2' = x_1 \times x_2 + x_1)$

and the axiom scheme

(PA9) if $\phi(x_i)$ is a wf of $\mathcal{L}_{\mathcal{PA}}$, then

$$(\phi(\overline{0}) \to ((\forall x_i)(\phi(x_i) \to \phi(x_i')) \to (\forall x_i)\phi(x_i)))$$

is an axiom of $\mathcal{PA}$.