

$f(x) = kx + b$, $f(x) = ax^2 + bx + c$, $f(x) = a^x$, $f(x) = \log_a(x)$, $f(x) = \sin(x)$, $f(x) = \cos(x)$, $f(x) = \tan(x)$, $f(x) = \cot(x)$, $f(x) = \sec(x)$, $f(x) = \csc(x)$, $f(x) = \arcsin(x)$, $f(x) = \arccos(x)$, $f(x) = \arctan(x)$, $f(x) = \operatorname{arccot}(x)$, $f(x) = \operatorname{arcsec}(x)$, $f(x) = \operatorname{arccsc}(x)$, $f(x) = \operatorname{arcsinh}(x)$, $f(x) = \operatorname{arccosh}(x)$, $f(x) = \operatorname{artanh}(x)$, $f(x) = \operatorname{arcoth}(x)$, $f(x) = \operatorname{arcsch}(x)$, $f(x) = \operatorname{arcsech}(x)$, $f(x) = \operatorname{arcsinh}(x)$, $f(x) = \operatorname{arccosh}(x)$, $f(x) = \operatorname{artanh}(x)$, $f(x) = \operatorname{arcoth}(x)$, $f(x) = \operatorname{arcsch}(x)$, $f(x) = \operatorname{arcsech}(x)$.

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Include

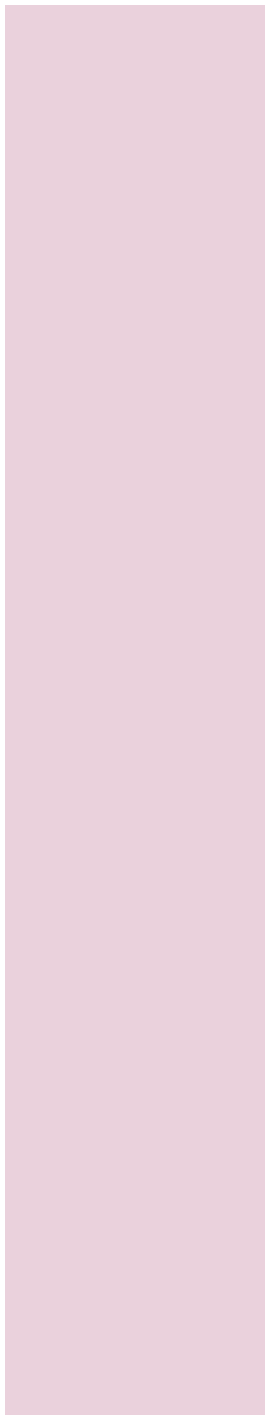
equations arising from linear and quadratic functions.

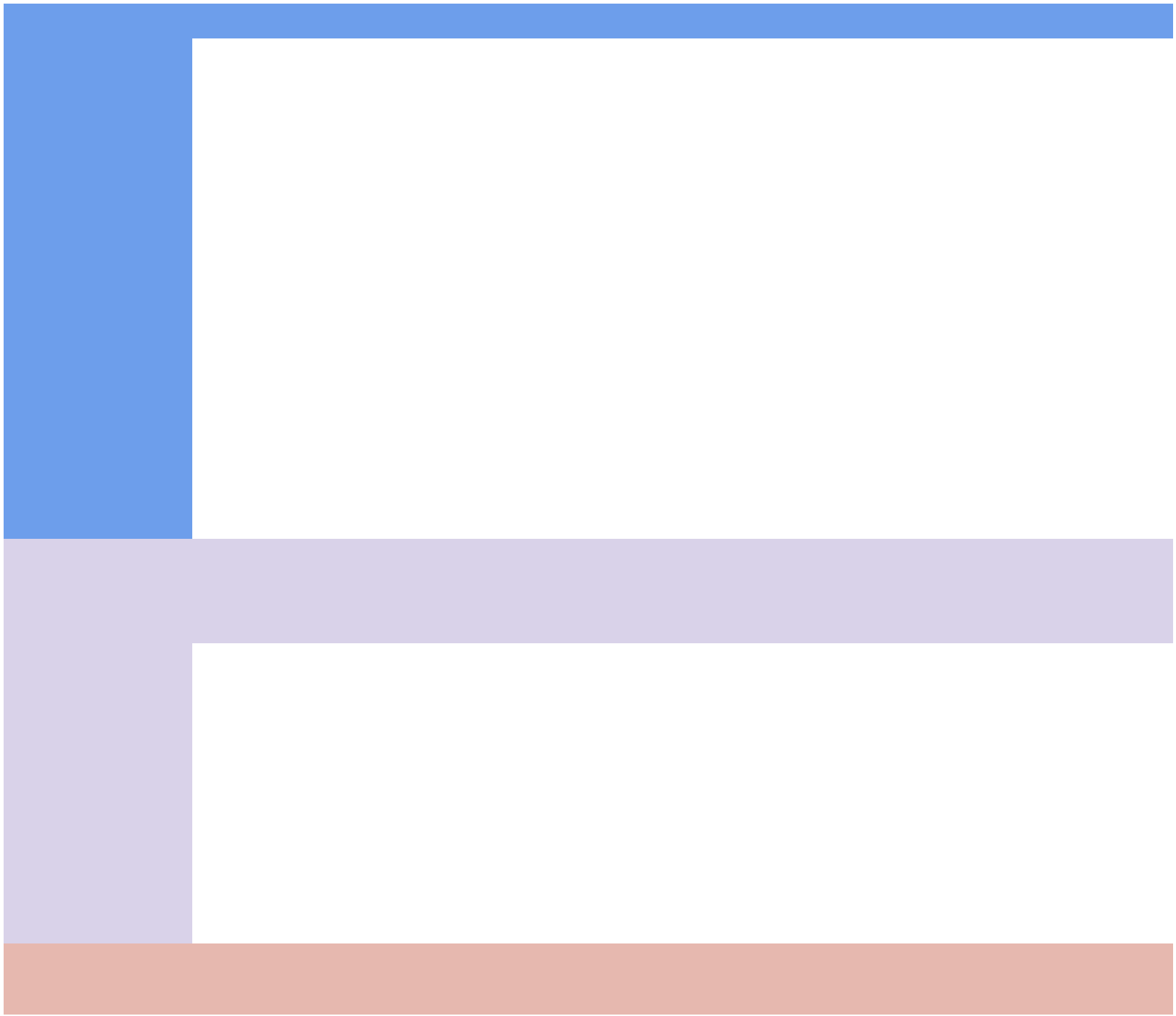
Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity

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For example, if the function $h(n)$ gives the number of person-hours it takes to assemble n engines in a factory, then the positive integers would be an appropriate domain for the function.

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	5{aZx'3ZZXZX'b_n'p_MuujbMujZÀ

