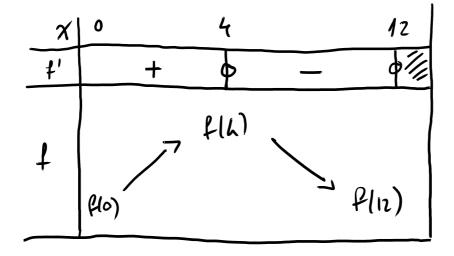
14.
$$f'(x) = 3x^2 - 48x + 144$$

$$\Delta = (-48)^2 - 4 \times 3 \times 144 = 576$$

$$x_1 = \frac{4b - 2h}{6} = 4$$
 $x_2 = \frac{hb + 2h}{6} = 12$



$$f(0) = 0$$
 $f(4) = 256$ $f(12) = 0$

$$f(12) = 0$$