

① Solve for x

$$-2(x-5) = 30$$

$$-2x + 10 = 30$$

$$\quad -10 \quad -10$$

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$$\frac{-2x}{-2} = \frac{20}{-2}$$

$$x = -10$$

② Solve for x

~~$$4 \cdot \frac{x-3}{4} = 6 \cdot 4$$~~

$$x-3 = 24$$

$$\quad +3 \quad +3$$

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$$x = 27$$

③  $f(x) = 4x^2 - 2x - 4$

find  $f(1) =$

"find y, when  
 $x=1$ "

$$f(1) = 4(1)^2 - 2(1) - 4$$

$$f(1) = 4(1) - 2 - 4$$

$$f(1) = 2 - 4$$

when  $x=1$ ,  
y (or  $f(x)$ ) is -2

$$f(1) = -2$$

① Solve for x

$$\underline{-2(x-5) = 30}$$

$$\begin{array}{r} -2x + 10 = 30 \\ \phantom{-2x} -10 \phantom{=} -10 \end{array}$$

$$\frac{-2x}{-2} = \frac{20}{-2}$$

$$x = -10$$

Solve for x

② ~~4~~  $\frac{x-3}{4} = 6-4$

$$\begin{array}{r} x-3 = 24 \\ +3 \phantom{=} +3 \\ \hline x = 27 \end{array}$$

③

$$f(x) = 4x^2 - 2x - 4$$

find

"  $f(1)$  -

find  $y$ , when  
 $x=1$

When  $x=1$ ,  $y=-2$  →

$$f(1) = 4(1)^2 - 2(1)$$

$$f(1) = 4(1) - 2(1) - 4$$

$$f(1) = 4 - 2 - 4$$

$$f(1) = -2$$

①

Solve for x

$$-2(x-5) = 30$$

$$-2x + 10 = 30$$

$$\begin{array}{r} -10 \\ -10 \end{array}$$

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$$\begin{array}{r} -2x = 20 \\ -2 \quad -2 \end{array}$$

$$X = -10$$

②

Solve for x

$$\cancel{4} \cdot \frac{X-3}{\cancel{4}} = 6.4$$

$$X-3 = 24$$

$$\begin{array}{r} +3 \\ +3 \end{array}$$

$$X = 27$$

③

$$f(x) = 4x^2 - 2x - 4$$

Find  
 $f(1) = ?$

"what is y (or f(x))  
 when  $x=1$ "

when  $x=1$ ,  $y = -2$

$$f(1) = 4(1)^2 - 2(1) - 4$$

$$f(1) = 4(1) - 2(1) - 4$$

$$f(1) = 4 - 2 - 4$$

$$f(1) = -2$$

