

**GO**

Topic: Using function notation to evaluate a function.

The functions  $f(x)$ ,  $g(x)$ , and  $h(x)$  are defined below.

$$f(x) = x$$

$$g(x) = 5x - 12$$

$$h(x) = x^2 + 4x - 7$$

Calculate the indicated function values in the following problems. Simplify your answers.

14.  $f(10)$

10

15.  $f(-2)$

-2

16.  $f(a)$

17.  $f(a+b)$

18.  $g(10)$

$$\begin{aligned} &5(10) - 12 \\ &50 - 12 = 38 \end{aligned}$$

19.  $g(-2)$

$$\begin{aligned} &5(-2) - 12 \\ &-10 - 12 = -22 \end{aligned}$$

20.  $g(a)$

21.  $g(a+b)$

22.  $h(10)$

$$\begin{aligned} &10^2 + 4(10) - 7 \\ &100 + 40 - 7 \\ &140 - 7 = 133 \end{aligned}$$

23.  $h(-2)$

$$\begin{aligned} &(-2)^2 + 4(-2) - 7 \\ &4 - 8 - 7 \\ &-11 \end{aligned}$$

24.  $h(a)$

25.  $h(a+b)$

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# Module 5 Secondary One Mathematics Answers

**L Towne**



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