

# EXTRA PRACTICE 31

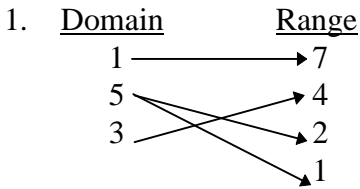
## Functions

Use after Section 10.6

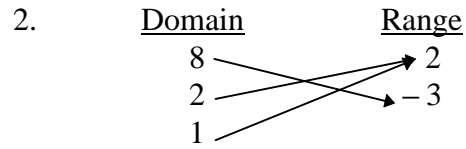
Name \_\_\_\_\_

See Section 10.6 for examples.

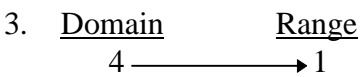
Determine whether the correspondence is a function.



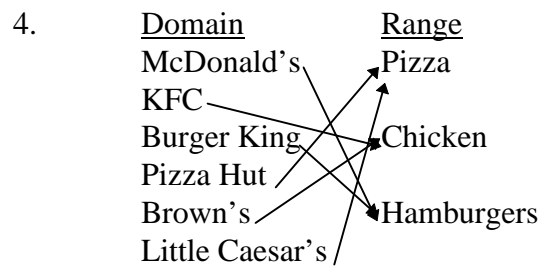
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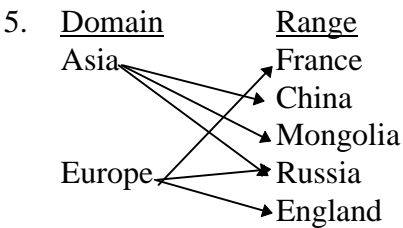
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Find the indicated outputs.

- $f(x) = 2x - 6$ ; find  $f(3)$ ,  $f(-4)$ , and  $f(1)$  \_\_\_\_\_
- $g(x) = x + 11$ ; find  $g(-1)$ ,  $g(0)$ , and  $g(5)$  \_\_\_\_\_
- $h(t) = 10t$ ; find  $h(5)$ ,  $h(-3)$ , and  $h(-4)$  \_\_\_\_\_
- $f(p) = 2$ ; find  $f(-1)$ ,  $f(0)$ , and  $f(20)$  \_\_\_\_\_
- $g(r) = 4r^2 - 2r$ ; find  $g(2)$ ,  $g(-3)$ , and  $g(1)$  \_\_\_\_\_
- $F(t) = |t| - 5$ ; find  $F(6)$ ,  $F(-4)$ , and  $F(1)$  \_\_\_\_\_
- $h(p) = 2p^3 + 1$ ; find  $h(2)$ ,  $h(-1)$ , and  $h(0)$  \_\_\_\_\_
- $g(x) = x^3 - 2x + 1$ ; find  $g(1)$ ,  $g(-2)$ , and  $g(3)$  \_\_\_\_\_

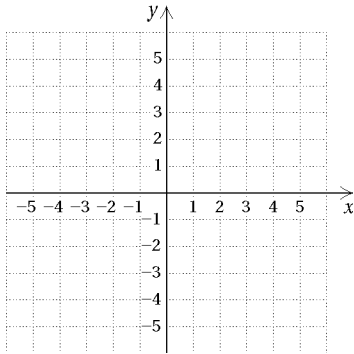
# EXTRA PRACTICE 31

## Functions

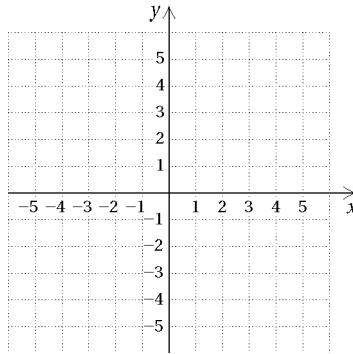
Use after Section 10.6

Graph each function.

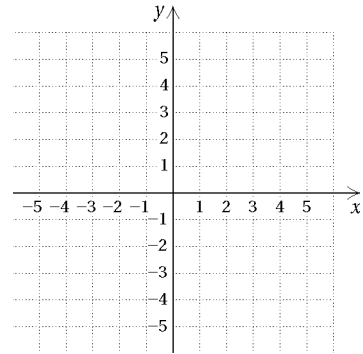
14.  $f(x) = 4x + 2$



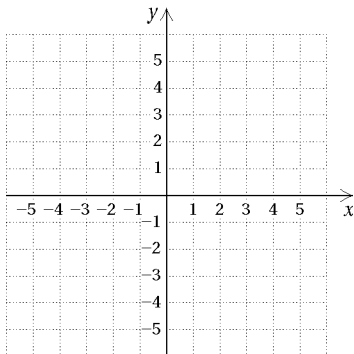
15.  $f(x) = -3x - 1$



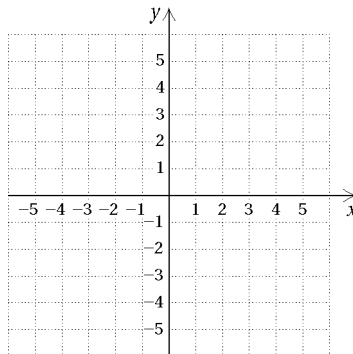
16.  $f(x) = -\frac{2}{3}x + 4$



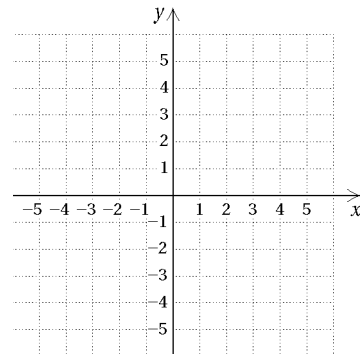
17.  $f(x) = \frac{1}{4}x - 2$



18.  $f(x) = -|2x|$

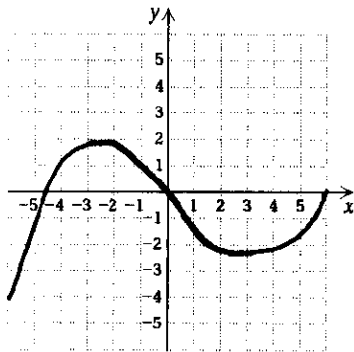


19.  $f(x) = x^3$

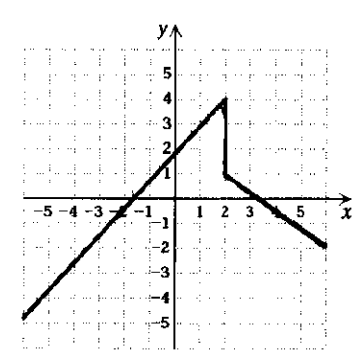


Determine whether the graph is that of a function.

20.



21.



22.

