

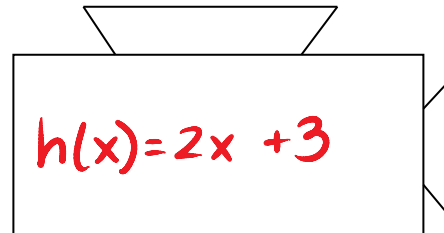
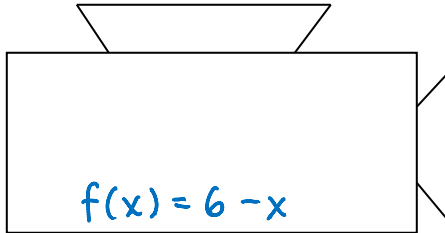
Unit 3. Day 4 FUNCTIONS Homework



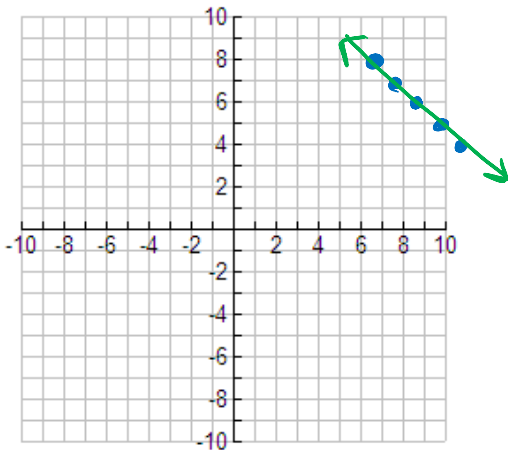
(#1-2) Find the function and write in function notation. Then complete the table and graph.

1. $f(x) = 6 - x$

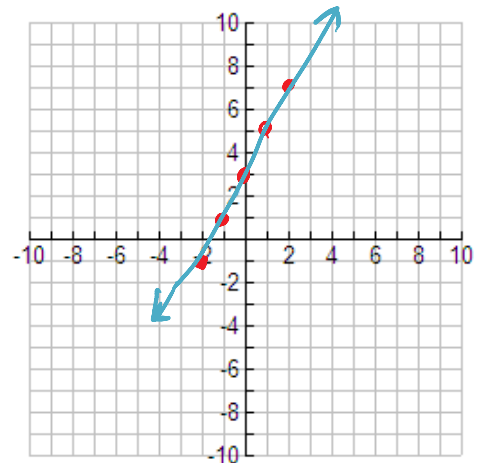
2. $h(x)$: three more than double the input



| x | $f(x)$ |
|-----|--------|
| -2 | 8 |
| -1 | 7 |
| 0 | 6 |
| 1 | 5 |
| 2 | 4 |



| x | $h(x)$ |
|-----|--------|
| -2 | -1 |
| -1 | 1 |
| 0 | 3 |
| 1 | 5 |
| 2 | 7 |



(#4-7) Use $c(x) = -6x + 2$ and $z(x) = x^2 - 3$ to answer the questions below.

4. $c(10) = -6(10) + 2$
 $c(10) = -58$

5. $z(-3) = (-3)^2 - 3$
 $= 9 - 3$
 $z(-3) = 6$

6. Find x when $c(x) = -16$
 $-16 = -6x + 2$
 $-18 = -6x$
 $3 = x$

7. Find x when $c(x) = 26$
 $26 = -6x + 2$
 $24 = -6x$
 $-4 = x$