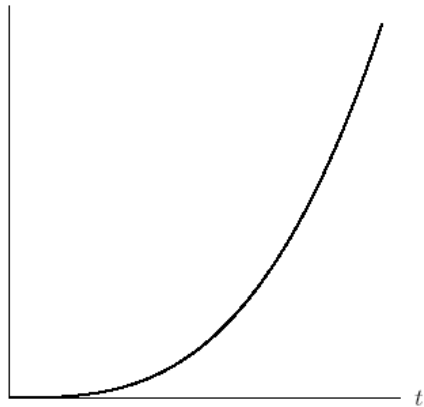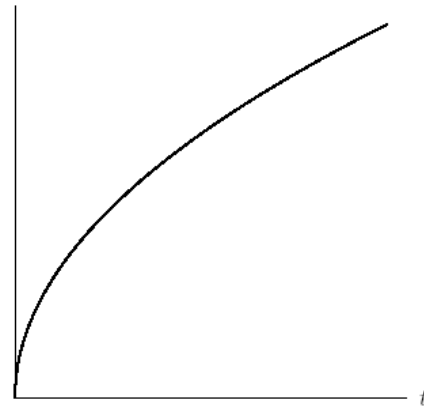# Which of the graphs represents the position of an object that is slowing down?
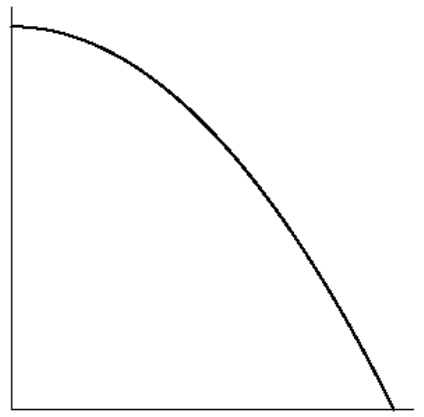
(a)  distance



t
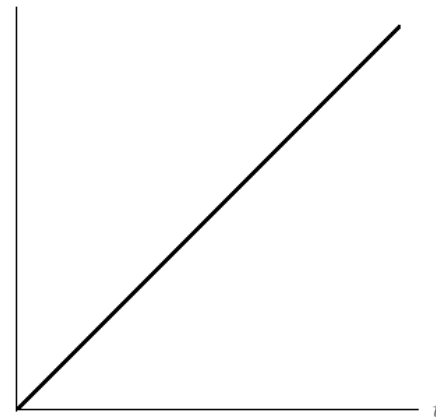
(b)  distance



t

(c)  distance



t

(d)  distance



t

# Which of the following tables could represent an exponential function?

(a)

| $x$ | $f(x)$ |
|---|---|
| 1 | 1/16 |
| 2 | 1/8 |
| 3 | 1/4 |
| 4 | 1/2 |

(b)

| $x$ | $g(x)$ |
|---|---|
| 1 | 9 |
| 2 | −3 |
| 3 | 1 |
| 4 | −1/3 |

(c)

| $x$ | $h(x)$ |
|---|---|
| 1 | 1 |
| 2 | 4 |
| 4 | 16 |
| 8 | 64 |

(d)

| $x$ | $k(x)$ |
|---|---|
| 1 | 10 |
| 2 | 5 |
| 3 | 2 |
| 4 | 1 |

The graph in Figure 1.10 is that of $y = f(x)$. Which of the graphs (I) – (IV) could be a graph of $cf(x)$?



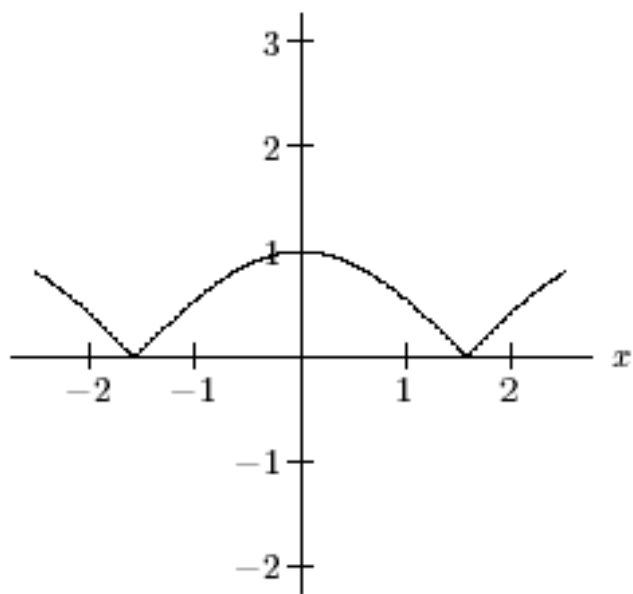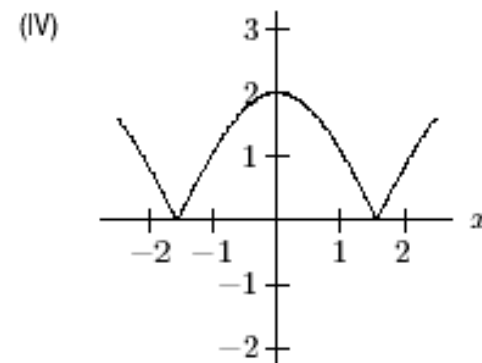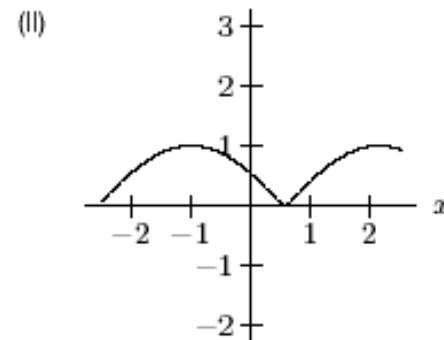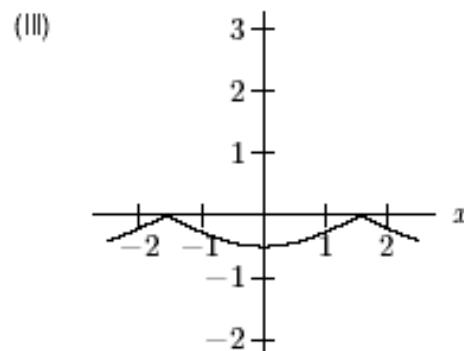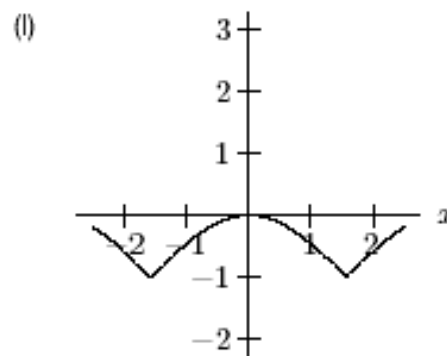Figure 1.10

The graph in Figure 1.10 is that of $y = f(x)$. Which of the graphs (I) – (IV) could be a graph of $f(x) - k$?



Figure 1.10

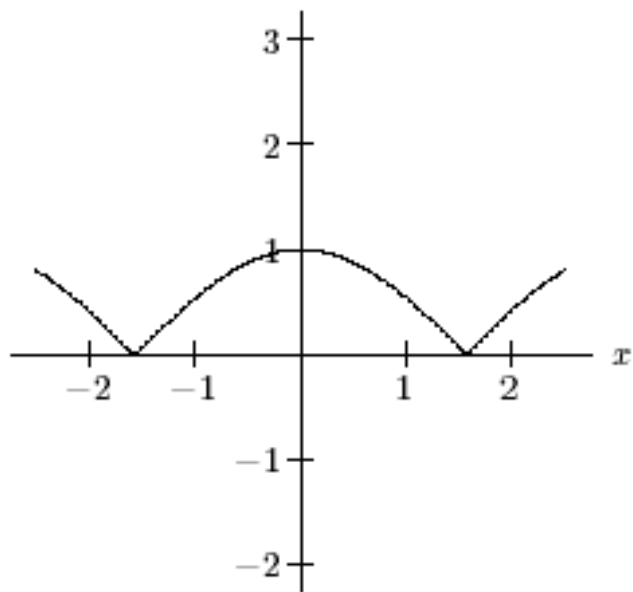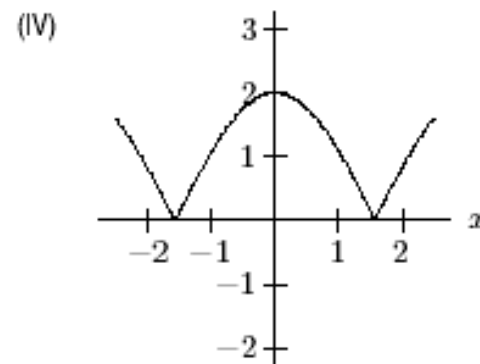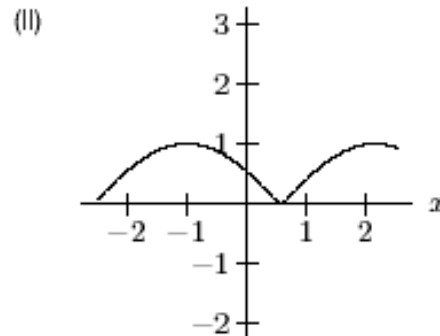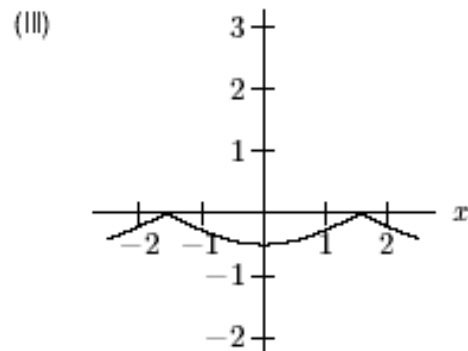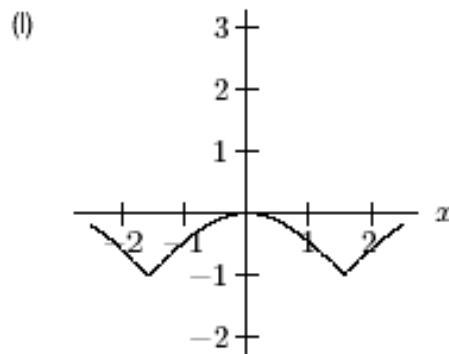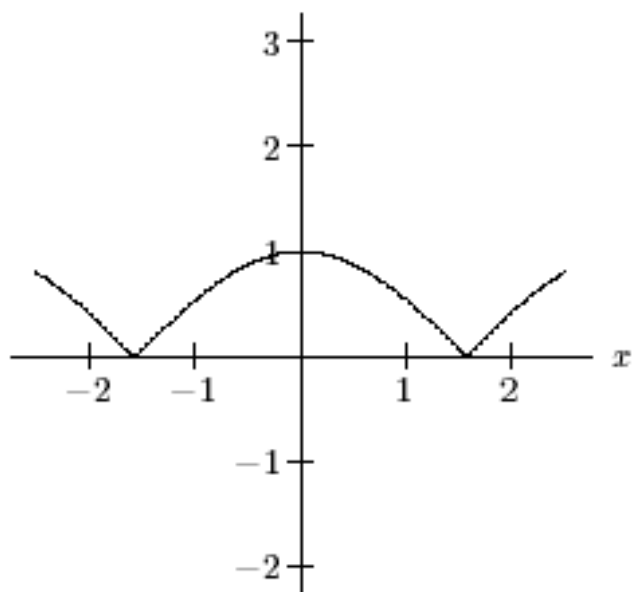The graph in Figure 1.10 is that of $y = f(x)$. Which of the graphs (I) – (IV) could be a graph of $f(x - h)$?



Figure 1.10