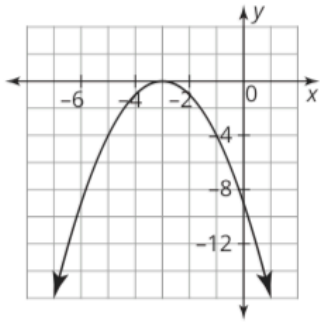


A.**B.**

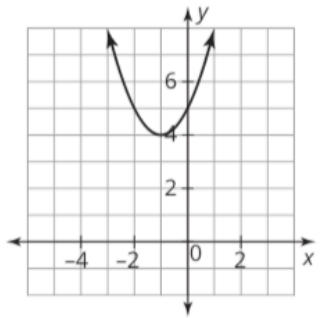
$$f(x) = x^2 + 2x + 5$$

C.

| x | y |
|---|----|
| 1 | 2 |
| 2 | 4 |
| 3 | 6 |
| 4 | 8 |
| 5 | 10 |

D.

$$f(x) = x^2 + 6x + 5$$

E.**F.**

$$f(x) = -(x^2 + 6x + 9)$$

G.

$$f(x) = 2x$$

H.

$$f(x) = (x + 5)(x + 1)$$

I.

$$f(x) = -(x + 3)(x + 3)$$

J.

A parabola with a line of symmetry at $x = -3$, a vertex that is a maximum value, and a graph that opens down.

K.

Louise heard a rumor. She tells the rumor to two people the next day. The two people that she told then tell two more people the following day, who each then go on to tell two more new people the following day.

L.

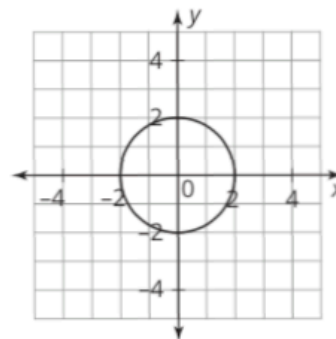
| x | y |
|----|---|
| -3 | 8 |
| -2 | 5 |
| -1 | 4 |
| 0 | 5 |
| 1 | 8 |

M.

| x | y |
|----|----|
| -4 | -1 |
| -3 | 0 |
| -2 | -1 |
| -1 | -4 |
| 0 | -9 |

N.

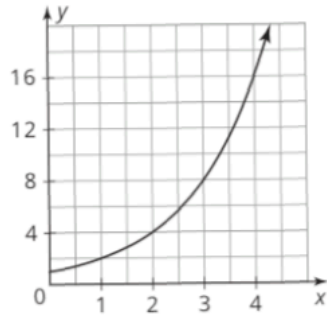
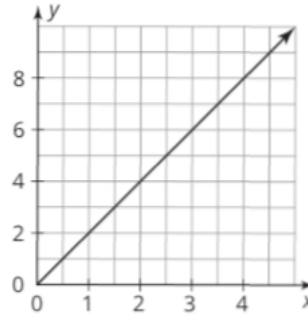
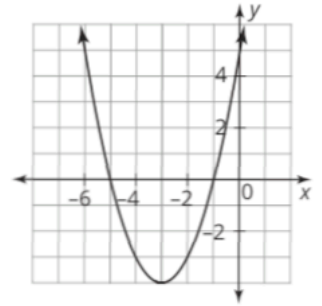
$$y = 2^x$$

O.**P.**

$$y = (x + 3)^2 - 4$$

Q.

| x | y |
|-----|-----|
| 0 | 1 |
| 1 | 2 |
| 2 | 4 |
| 3 | 8 |
| 4 | 16 |

R.**S.****T.****U.**

Erika is worried that her secret got out. On the first day, she and her best friend were the only people who knew about the secret. But each day, two new people hear about the secret.

V.

$$x^2 + y^2 = 4$$

W.

| x | y |
|-----|-----|
| -5 | 0 |
| -4 | -3 |
| 0 | 5 |
| 1 | 12 |
| 2 | 21 |

X.

| x | y |
|-----|-------|
| -1 | 1.73 |
| -1 | -1.73 |
| 0 | 2 |
| 0 | -2 |
| 1 | 1.73 |
| 1 | -1.73 |