# **Finding x and y intercepts**

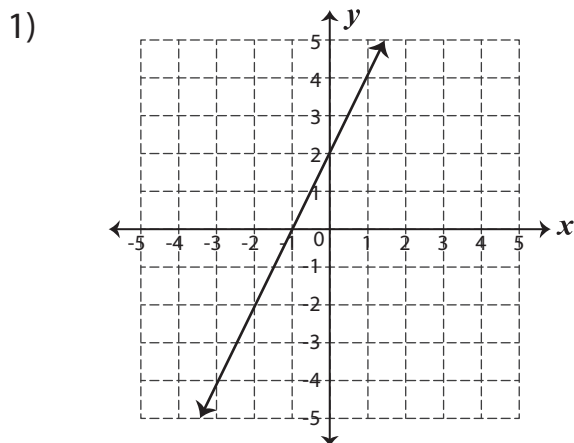Name _____

Score _____

TI:21

Find the x-intercept and y-intercept from the given equation of a line.
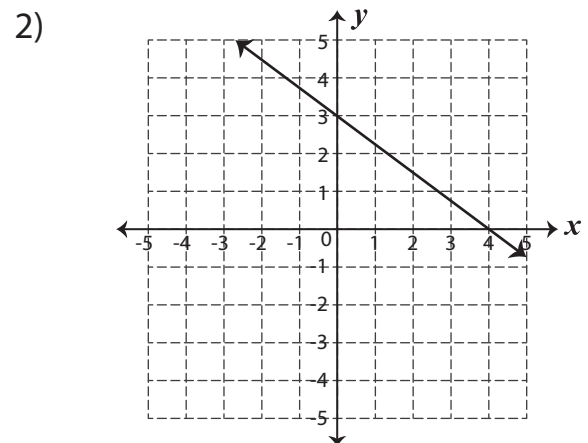
| Q. No | Equation of a line | x-intercept | y-intercept |
|-------|--------------------|-------------|-------------|
| 1) | $-4x = -12 + 24y$ | | |
| 2) | $y - x = 11$ | | |
| 3) | $3y = 4x + 12$ | | |
| 4) | $3x + y = 8$ | | |
| 5) | $-x = 4 + y$ | | |
| 6) | $5x + 3y = -15$ | | |

Find the x-intercept and y-intercept from the given graph.

1)



x-intercept = _____

y-intercept = _____

2)



x-intercept = _____
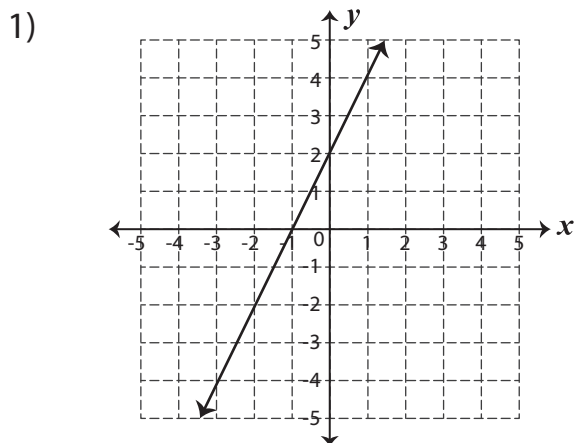
y-intercept = _____

# Finding x and y intercepts

**Answer key**

Find the x-intercept and y-intercept from the given equation of a line.

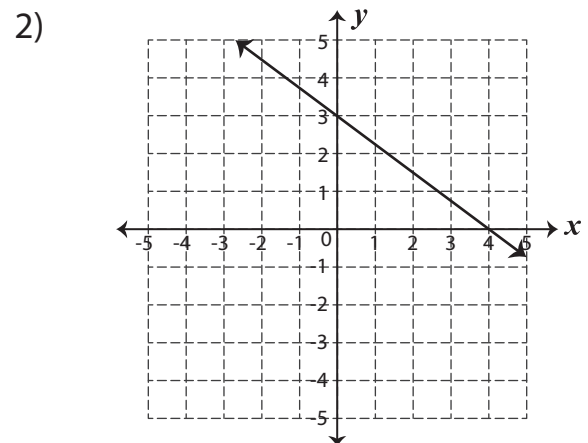| Q. No | Equation of a line | x-intercept | y-intercept |
|-------|-------------------|-------------|-------------|
| 1) | $-4x = -12 + 24y$ | **(3, 0)** | $\left(0, \dfrac{1}{2}\right)$ |
| 2) | $y - x = 11$ | **(-11, 0)** | **(0, 11)** |
| 3) | $3y = 4x + 12$ | **(-3, 0)** | **(0, 4)** |
| 4) | $3x + y = 8$ | $\left(\dfrac{8}{3}, 0\right)$ | **(0, 8)** |
| 5) | $-x = 4 + y$ | **(-4, 0)** | **(0, -4)** |
| 6) | $5x + 3y = -15$ | **(-3, 0)** | **(0, -5)** |

Find the x-intercept and y-intercept from the given graph.

1)



2)



x-intercept = _____ **(-1, 0)** _____

y-intercept = _____ **(0, 2)** _____

x-intercept = _____ **(4, 0)** _____

y-intercept = _____ **(0, 3)** _____