



Finding x and y intercepts

Name _____

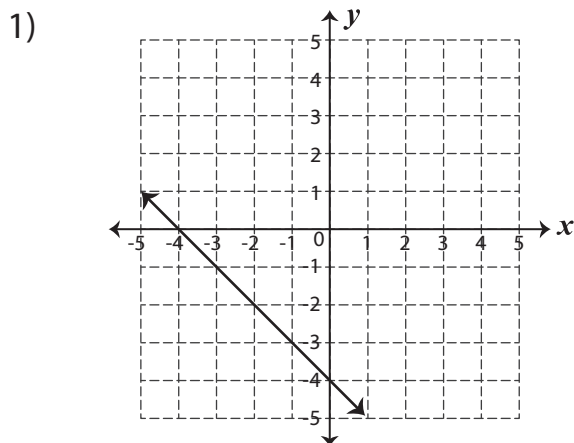
Score _____

TI:20

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

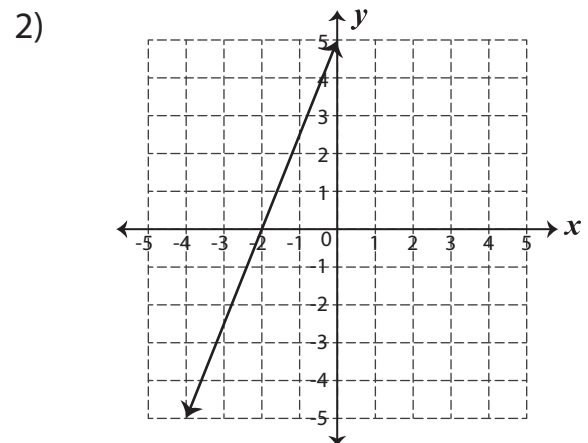
| Q. No | Equation of a line | x-intercept | y-intercept |
|-------|--------------------|-------------|-------------|
| 1) | $3y = -6 - 12x$ | | |
| 2) | $8x + 6y = 2$ | | |
| 3) | $3 = 5x + 6y$ | | |
| 4) | $-7x = 14 - 14y$ | | |
| 5) | $18 = 9y + 6x$ | | |
| 6) | $x - y = 10$ | | |

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



x-intercept = _____

y-intercept = _____



x-intercept = _____

y-intercept = _____



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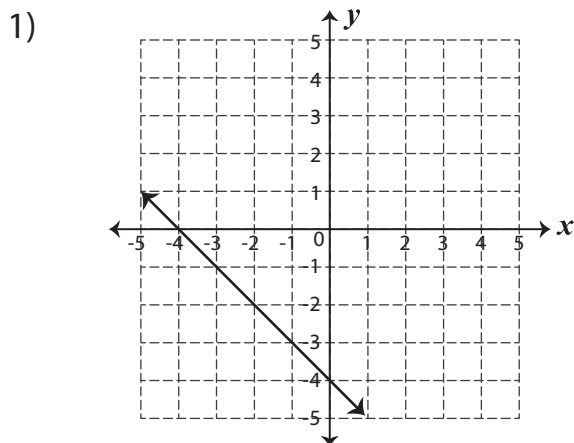
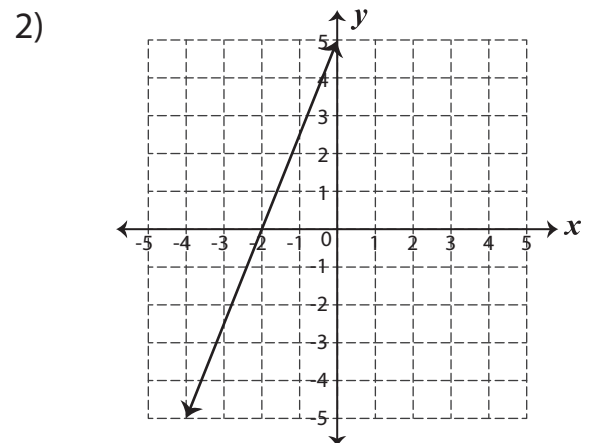
Answer key

TI:20

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) | $3y = -6 - 12x$ | $\left(-\frac{1}{2}, 0\right)$ | $(0, -2)$ |
| 2) | $8x + 6y = 2$ | $\left(\frac{1}{4}, 0\right)$ | $\left(0, \frac{1}{3}\right)$ |
| 3) | $3 = 5x + 6y$ | $\left(\frac{3}{5}, 0\right)$ | $\left(0, \frac{1}{2}\right)$ |
| 4) | $-7x = 14 - 14y$ | $(-2, 0)$ | $(0, 1)$ |
| 5) | $18 = 9y + 6x$ | $(3, 0)$ | $(0, 2)$ |
| 6) | $x - y = 10$ | $(10, 0)$ | $(0, -10)$ |

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

x-intercept = **(-4, 0)** y-intercept = **(0, -4)** x-intercept = **(-2, 0)** y-intercept = **(0, 5)**