

Equation of Line (Use Intercepts)

1. Graph the equation $4x + 3y = 21$ using intercepts.

2. Graph the equation $5x - 4y = 40$ using intercepts.

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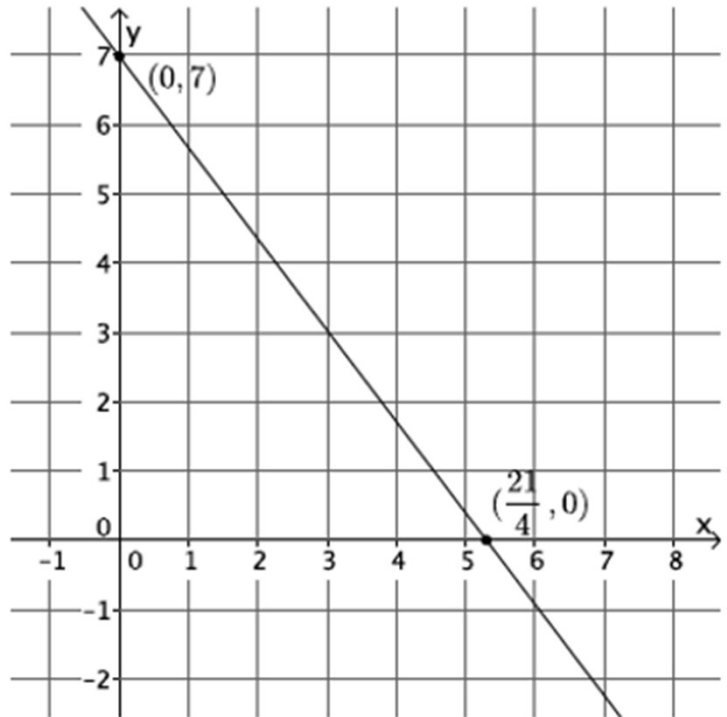
1. Graph the equation $4x + 3y = 21$ using intercepts.

$$\begin{aligned}4x + 3y &= 21 \\4(0) + 3y &= 21 \\3y &= 21 \\y &= 7\end{aligned}$$

The *y*-intercept point is $(0, 7)$.

$$\begin{aligned}4x + 3y &= 21 \\4x + 3(0) &= 21 \\4x &= 21 \\x &= \frac{21}{4}\end{aligned}$$

The *x*-intercept point is $(\frac{21}{4}, 0)$.



2. Graph the equation $5x - 4y = 40$ using intercepts.

