Solving a Linear Equation

$$
\begin{aligned}
& \left(-\frac{3}{2}\right)\left(-\frac{3}{3} x\right)=(4)\left(-\frac{3}{2}\right) \\
& x=\frac{-12}{2}=-6
\end{aligned}
$$

Solve for $x$

$$
\begin{aligned}
& \begin{array}{l}
6-\frac{2}{5} x=10 \\
\left(-\frac{5}{2}\right)\left(-\frac{2}{5} x\right) \\
=(4) \\
\left.x=-\frac{-26}{8}-\frac{-20}{2}\right) \\
=-10
\end{array}
\end{aligned}
$$

What is the product of the $x$-intercept and $y$-intercept of the following equation?


$$
\begin{array}{cc}
6 x-8(0)=24 & 6(0)-8 y=24 \\
6 x=24 & -8 y=24 \\
x=4 & y=-3
\end{array}
$$

$x-\ln t: 4 \quad y$-int $=-3$
prow. No

$$
=-12
$$

What is the sum of $x$-intercept and $y$-intercept of

$$
5 x-7 y=70 ?
$$

$$
\begin{gathered}
7 y=70 \\
5 \times y=-10 \\
x=14
\end{gathered}
$$



Relating Variables: $b$ in Terms of $c, d$, and $x$

If $x=\frac{d-b}{c}$, where $c \neq 0$, which of the following represents $b$ in terms of $c, d$, and $x$ ?


$$
b=-c x+d
$$



Fahrenheit to Celsius - Equation

The formula used to convert a temperature from degrees Fahrenheit ( $F$ ) to degrees Celsius ( $C$ ) is:

$$
C=\frac{5}{9}(F-32)
$$

Which of the following formulas, then, would be used to convert a temperature from $167^{\circ} \mathrm{C}$ to degrees Fahrenheit?
$332.6^{\circ}=F$

## True-False Test

Ms. Boolean took a 186 question true/false test. If she answered all 186 questions and answered 86 questions more with "true" rather than with "false", how many questions did Ms. Boolean answer "true"?

Solving a 1-Variable Equation

Which of the following values of $p$ makes the following equation true?

$$
\frac{3 p-2}{p+4}=-3
$$

