


Write the eq. of the line which passes through ( $-2,8$ ) and is perpendicular to the line $2 x-3 y=7$.

$$
\begin{array}{r}
y-y_{1}=m\left(x-x_{1}\right) \\
y-8=-\frac{3}{2}(x++2) \\
y-8=-\frac{3}{2} x-3 \\
+y=-3 / 2 x+5
\end{array}
$$



Shortcut $\quad(8,-11)(8,7)$

$$
\frac{7--11}{8-8}=\frac{18}{0} \frac{x=8}{\left(293,-\frac{1024)(587,-1024}{y=-1024}\right)}
$$



