

SC5. Solution

Question	Value of n if Lines Are Parallel	Value of n if Lines Are Perpendicular
$\frac{24}{n}, \frac{-1}{3}$	$\frac{24}{n} = \frac{-1}{3}$ <i>cross multiply</i> $-1(n) = 3(24)$ $-n = 72$ $n = -72$	$\frac{24}{n} = 3$ $n\left(\frac{24}{n}\right) = 3n$ $24 = 3n$ $\frac{24}{3} = \frac{3n}{3}$ $n = 8$