10.8.15

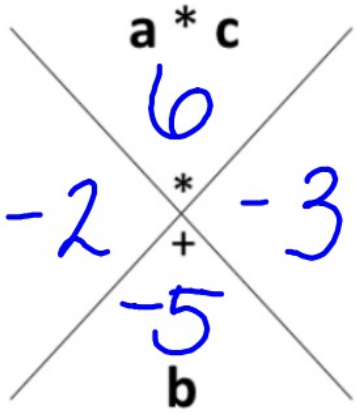
Is there a GCF? If yes, factor that out first before continuing.

To factor the following equation, fill out the X, then use the numbers you get to fill in the box. Then take the GCF from each row and each column.

$3b^3 - 5b^2 + 2b = 0$

$b(3b^2-5b+2)=0$

ax^2+bx+c



	3b	-2
b	$3b^2$ (First Term)	-2b
-1	-3b	2 (Last term)

$b(b-1)(3b-2)=0$ Factored

Solve: $b=0$

$b-1=0$

$+1 \quad +1$

$b=1$

$3b-2=0$

$+2 \quad +2$

$\frac{3b}{3}=\frac{2}{3}$

$b=2/3$