

10.6.15

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.

$$a=2 \quad b=13 \quad c=-7$$

$$2a^2 + 13a - 7 = 0$$

$$\begin{array}{ccc} & a * c & \\ & -14 & \\ 14 & * & -1 \\ & + & \\ & 13 & \\ & b & \end{array}$$

$2a$
 -1

$2a^2$	$14a$
$-1a$	-7

First Term

Last term

$$(2a-1)(a+7)=0 \text{ Factored}$$

Solve

$$2a+1=0$$

$$\frac{2a}{2} = \frac{-1}{2}$$

$$a = -\frac{1}{2}$$

$$a+7=0$$

$$a = -7$$