## How to work a circuit

1. Start in the top left box that is already numbered question \#1
2. Answer the question
"Factor the GFC: $24 a^{2} b^{3}-56 a b^{2}$ "

Once you have the answer $8 a b^{2}(3 a b-7)$, look through the worksheet for one of the two factors (per the directions)
3. This now becomes problem \#2. Fill 2 in on the \# $\qquad$
4. Repeat the process. Question $\# 2$ says, "factor the trinomial $a^{2}-10 a+21$ so that is the product of two binomials".

$$
\begin{aligned}
& a^{2}-10 a+21 \\
& (a-7)(a-3)
\end{aligned}
$$

5. This now becomes problem \#3. Fill 3 in on the \# $\qquad$
6. Repeat the process until your last answer takes you back to the first box. If you have

Circuit Training - Factoring (Mixed, Intermediate)
Directions: Begin in cell \#1. Factor the expression, then search for one of your factors. When you find it, call that problem \#2 and continue in this manner until you complete the circuit. You may need to attach additional sheets of paper to showcase your best work.
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© Virge Cornelius 2017 done them all correctly, you will have used them all when you are complete.
*** For several of the problems you will have to do some simplifying or algebraic manipulation to make it match the answer that is given. *

Even if you get stuck and can't make the circuit work, you can still do the problems. We will be using circuits regularly.

