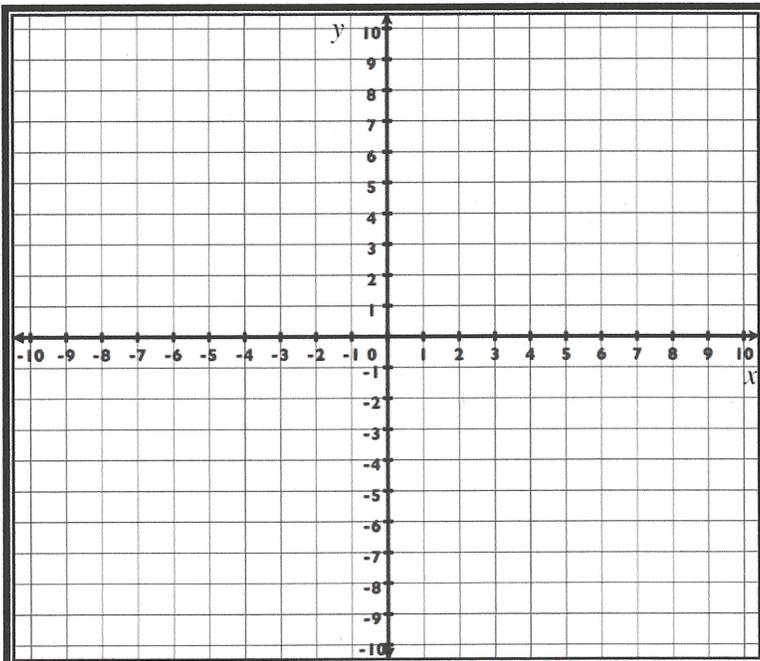


TOP OF THE PYRAMID



Ohio Jones has tracked down the famous Pyramid of Power. Inside, on the bottom level, it is said that the mystical Ark of the Extra Credit is hidden. Anyone who opens the lid of the Ark will magically earn bonus homework points. Ohio found a secret stairway up the side of the pyramid, and a small door at the very top.

Outside the door, a tiny Sphinx statue came to life and told him the following:
To find the way down, pour water on the dirt that satisfies my three rules...



$$y < 8$$

$$x \geq 4$$

$$3x - 2y \leq 8$$

PYRAMID LEVEL 3

HELP OHIO FIND THE ARK OF THE EXTRA CREDIT.

$$\begin{cases} y > -7 + \frac{1}{2}x \\ -2x + 6y \leq 30 \end{cases}$$

$$\begin{cases} y > -x - 7 \\ 3x + 9y \leq 63 \end{cases}$$



$$\begin{cases} x \geq 4 \\ x \leq 10 \end{cases}$$

$$\begin{cases} y > -5 - x \\ 4x - y \leq 6 \end{cases}$$

$$\begin{cases} y \leq 1 \\ y \geq -5 \\ y \leq 3 + x \\ x + y \geq -7 \end{cases}$$

$$\begin{cases} y \leq \frac{1}{2}x + 8 \\ y > -5 \end{cases}$$

THE ARROW POINTS TO THE ARK...

