## - Warm-up

- Bob made a quilt that is 4 ft by 5 ft . He has 10 sq. ft of fabric to create a border around the quilt. How wide should he make the frdextouse all the fabric?
$10=(5+2 x)(4+2 x)-5.4$

$$
\begin{aligned}
& 10=20+10 x+8 x+4 x^{2}-20 \\
&-10 \\
& 0=4 x^{2}+18 x-10 \\
& y
\end{aligned}
$$



- Work on Performance Task


## Objectives

Content: I will review the concept of parabolas and see a new way to apply it. Social: I will participate in the class activities.
Language: I will read directions carefully and identify new words in the task directions.
$\phi^{2}-\phi-1=0$
same as

$$
\begin{array}{r}
x^{2}-x-1=0 \\
\text { (solve for } x \text { ) }
\end{array}
$$

https://youtu.be/55GUuB8qPI8

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