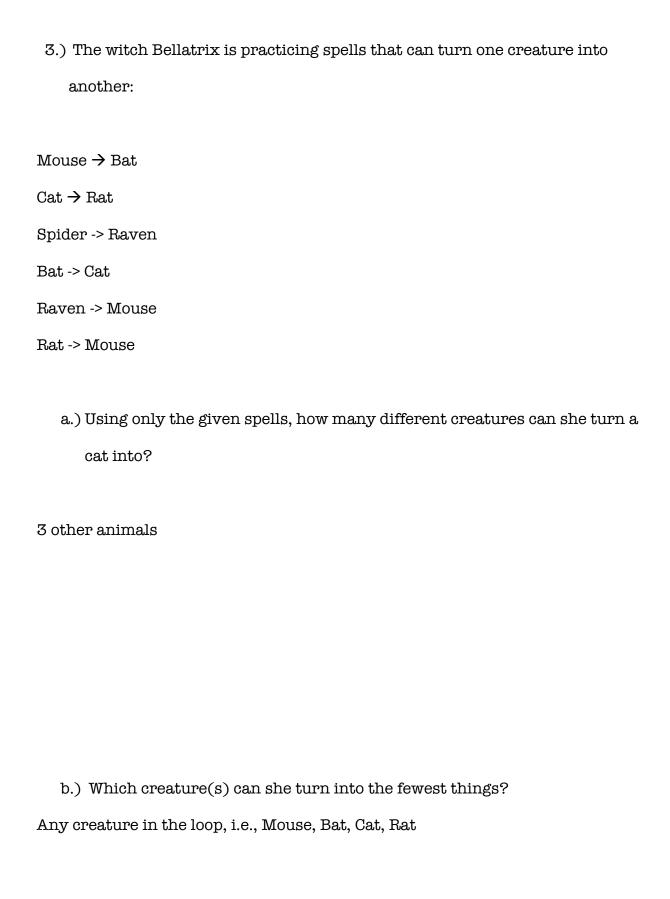
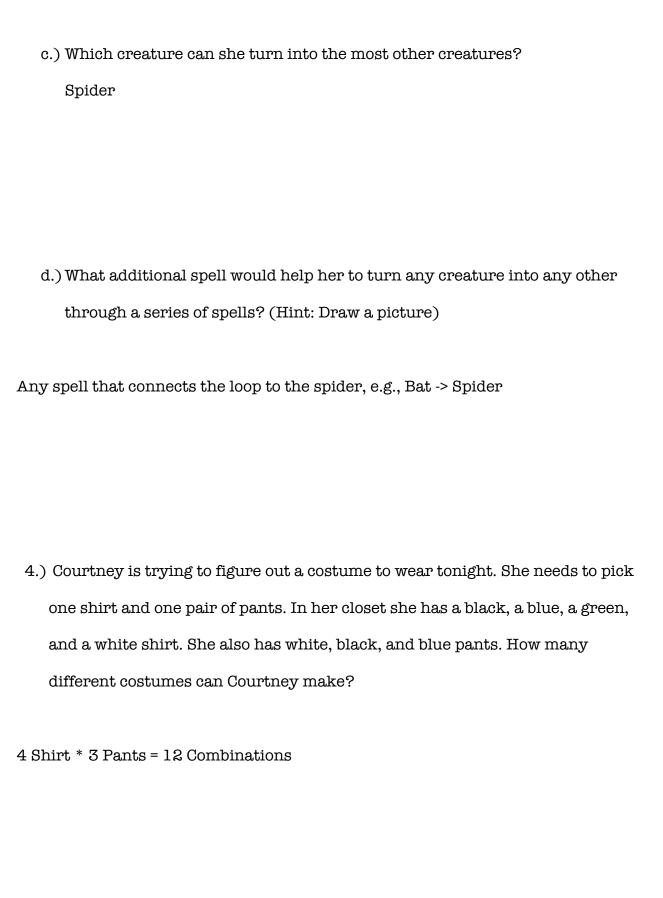
Halloween Math

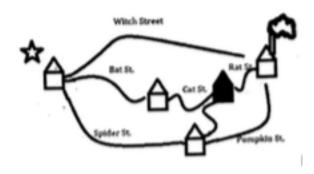
October 30, 2016

1.) What is the biggest number of pieces you can get if you cut a round pumpkin
pie using 3 straight cuts?
7 (Shape of an A)
2.) Can you draw a ghostly shape that you can cut into four parts using only one
cut? Draw the shape and cut.
Any shape with 3 protrusions that are cut off, e.g., ghosts in Pacman





5.) Look at the map below:



a.) How many different paths could Igor take from his house (with the star) to the haunted house with the chimney, without re-visiting a house or street?

5 Paths

b.) Igor needs to pick up Josh along the way (the shaded house). How many different paths can he take now (no re-visiting a house or a street)?3 paths

Challenge Problems:

1.)3 Boy	rs carve 3 pumpkins in 3 days.
	a.) How many days does it take 1 boy to carve 1 pumpkin?
7 Dorra	
3 Days	
	b.) How many pumpkins can that same boy carve in one month?
10 Pumpkir	ns
_	

c.) How long will it take 9 boys to carve 3 pumpkins?

1 Day

A trick-or-treater wants to cross a river and take with him a werewolf, a black cat, and a pumpkin pie. There is a boat that can fit himself plus either the werewolf, the black cat, or the pumpkin pie. If the werewolf and the black cat are alone on one shore, the werewolf will eat the black cat. If the black cat and the pumpkin pie are alone on the shore, the black cat will eat the pumpkin pie.

How can the trick-or-eater bring the werewolf, the black cat, and the pumpkin pie across the river?

Bring Cat across, return alone. Bring Werewolf across, bring back Cat. Bring pie across, return alone. Bring Cat across.