Planning for a Pizza Party

You are hoping to have a pizza party with some friends. You are not yet sure how many pizzas you will need to order for your party, but you want to see what some local pizza shops may charge. So you call a few places to find out how much they charge. You also realize that since you cannot drive, you will need to have the pizzas delivered.

Option 1: Pete's Pizza
After calling Pete's Pizza, you learn that with tax, each pizza will cost $8 and there is a delivery fee of $5.00.

a. How can you represent this situation in a table?
b. How can you represent this situation in a graph?
c. How can you represent this situation with an equation?
d. Complete the organizer for Pete's Pizza.

Option 2: Pizza Castle
When you call Pizza Castle, you learn that with tax, each pizza will cost $10.50, but there is no delivery fee.

a. Complete the organizer for Pizza Castle.
b. How does Pizza Castle compare to Pete's Pizza? When is it best to order from Pete's Pizza? When is it best to order from Pizza Castle? How do you know?

Option 3: Pam's Pizza
You call Pam's Pizza and you learn that with tax, each pizza will cost $8 and there is a delivery fee of $5.00.

a. Complete the organizer for Pam's Pizza.
b. How does Pam's Pizza compare to Pete's Pizza? When is it best to order from Pete's Pizza? When is it best to order from Pam's Pizza? How do you know?

Option 4: Speedy Pizza
You now call Speedy Pizza and you learn that with tax, each pizza will cost $8.00 and there is a delivery fee of $7.00.

a. Complete the organizer for Speedy Pizza.
b. How does Speedy Pizza compare to Pete's Pizza? When is it best to order from Pete's Pizza? When is it best to order from Speedy Pizza? How do you know?

Pete's Pizza

After calling Pete's Pizza, you learn that with tax, each pizza will cost $8 and there is a delivery fee of $5.00.

Table:

Plot or Graph:

Equation or Algebraic Model:

Pizza Castle

When you call Pizza Castle, you learn that with tax, each pizza will cost $10.50, but there is no delivery fee.

Table:

Plot or Graph:

Equation or Algebraic Model:

Pam's Pizza

You call Pam's Pizza and you learn that with tax, each pizza will cost $8 and there is a delivery fee of $5.00.

Table:

Plot or Graph:

Equation or Algebraic Model:

Speedy Pizza

You now call Speedy Pizza and you learn that with tax, each pizza will cost $8.00 and there is a delivery fee of $7.00.

Table:

Plot or Graph:

Equation or Algebraic Model: