

HOMEWORK HELP Website: HOMEWORK.CPM.ORG

- 8-41** Brianna is working on her homework. Her assignment is to come up with four representations for an exponential function of her choosing. She decides it is easiest to start by writing an equation, so she chooses $y = 1200\left(\frac{1}{2}\right)^x$. Help Brianna create the other three components of the web.

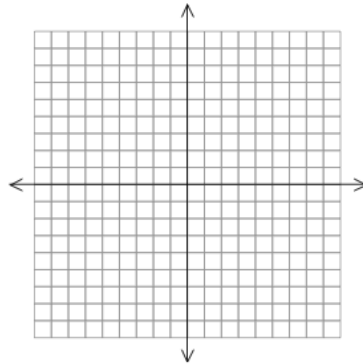
Table

X	Y

Situation: Which situation would be modeled by the equation? CIRCLE one.

- i) Jose invested \$1200 and earned 50% per year in interest.
- ii) The bacteria started at 1200 and went down by half every hour after the antibiotic was given.

Graph: SKETCH the graph that would model the given equation.



- 8-44** If the triangles in each diagram below are congruent, state which triangle congruence condition can be used. If the triangles are not congruent or if there is not enough information, state, "Cannot be determined". WRITE the congruence statement.

a.

Conguent? YES or NO

Congruence Statement:

If no, WHY?

b.

Conguent? YES or NO

Congruence Statement:

If no, WHY?