

Name:

Geometry

Common Mathematical Errors

Dividing By Zero

Research: What happened on the USS Yorktown on September, 21, 1997?
Why did this occur?

Improperly calculating the positive and negative of a square root

Joe had 100 square feet of wood flooring material. Each wood tile is 1 square foot. He wants to fill his 10 foot by 10 foot bedroom with wood tiles. Joe calculates that he would need -10 tiles along each wall. What mistake did Joe make? Why is this measurement impossible to begin with?

Rewriting Things

Why are all of these statements true, and of equal value?

$$1+1=2 \quad 2=2 \quad 2=1+1$$

Factoring

The TRUE statement $(b^2-16)(32)=3.4$ was simplified to $(32)(b-4)(b+4)=3.4$.
What makes this statement true and $(32)(b-4*b+4)=3.4$ false?

