

Solving Equations that are “Unsolvable”

Name _____

Date _____ Period _____

If $x + y = 20$, what is the value of $3x + 3y$?

If $xy = 10$ and $(x + y)^2 = 30$, what is the value of $x^2 + y^2$?

If $xy = 8$ and $x^2 + y^2 = 24$, what is the value of $(x + y)^2$

If $xy = 24$ and $(x + y)^2 = 121$, what is the value of $x^2 - y^2$