1. When is it best to use the graphing method to solve a system?

When equations are in slope-intercept form

2. When is it best to use the substitution method to solve a system?

When a variable is by itself $(x = 4y - 2)$

3. Solve using substitution:

$3x - y = -23$

$-6x + y = 38$

$+6x \quad +6x$

$y = 6x + 38$

$3x - (6x + 38) = -23$

$3x - 6x - 38 = -23$

$-3x - 38 = -23$

$+38 \quad +38$

$\frac{-3x}{-3} = \frac{15}{-3}$

$x = -5$

$(-5, 8)$

$-6(-5) + y = 38$

$30 + y = 38$

$y = 8$

Quizizz
Solving Systems of Equations

Tis the Season
for Systems of Equations

Partner Practice