SOLVING EQUATIONS WITH VARIABLES ON BOTH SIDES – DAY 2

length.	gle is 3 cm less than 4 times the width. If the perimeter is 54 cm, t	ind the
	Equation:	
	st side is 4 inches longer than twice the shortest side. The third side shortest side. If the perimeter of the triangle is 46 inches, find the	
	Equation:	

1)	3(2 + v) - 4v = v + 16	2) $2(g-2) - 4 = 2(g-3)$

When solving equations with variables on both sides, when do you get each of the following?

NO SOLUTION:

ALL REAL NUMBERS:

EXAMPLES: Write an equation for the situation and solve.

4) There are two long-distance phone companies competing for Derrick's business. The 1st phone company charges a flat rate of \$5.50 per month and then \$0.03 per minute while the other company charges \$0.05 per minute. How many minutes would Derrick have to use in order for the two phone companies to cost the same?

Equation:_____