

### Level 5.5 Activity and Questions for notes

Work out the equations below at the back of the Equations bootcamp section of your notes book. Show your proof that these equations either have All Real Solutions, No Solutions, or One Solution.

Then cut and glue the equations at the bottom of the Level 5.5 Notes in the columns where they belong.

$8x + 4 = 4x + 8$	$9y - 7 = 9y + 7$	$3h - 6 = 5h$
$5f + 6 = 6 + 5f$	$3p - 2 = 5p - 6$	$-a + 10 = -a$
$2g - 8 = 2g - 8$	$-10q + 3 = 5 - 10q$	$2k + 8k = 10k$

Answer the questions below. Then cut the questions section out with answers and glue into your Notes Book where you proved your answers from above. Find one other person in class who has done this lesson and compare/contrast your answers verbally.

1. How are the Infinitely Many Solutions equations similar?
2. How are the No Solution equations similar?
3. How are the Infinitely Many Solutions equations similar to the No Solution equations?
4. Without solving, how would you know if an equation has one solution?
5. I spoke with \_\_\_\_\_.