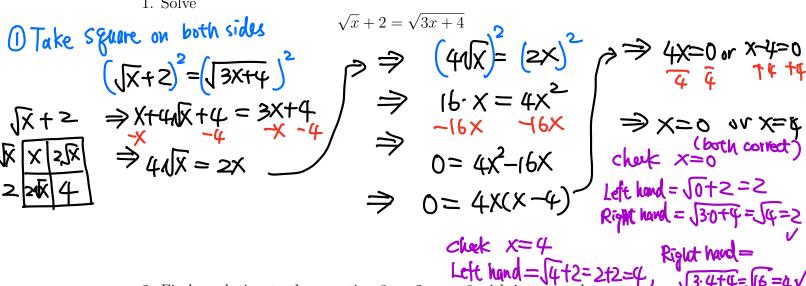
Classwork 15 MAT 1275 Professor Chiu 15

1. Solve



2. Find a solution to the equation 3y - 2x = -6 with integer values. How many solutions can we find for this equation?

Find an integer solution:

$$0 = 1, 3y - 2 = -6
+2 +2
3y = -4
3y = -4
3 = -4
3$$

(NOT integer)

$$3y = 0 \Rightarrow y = 0 \checkmark$$

X=3, y=0 is an integer solution

but only 3 is an integer one

How many solutions?

Infinitely many solution 3. Find the equation of a line that passes through the points (-3,2) and (1,6).