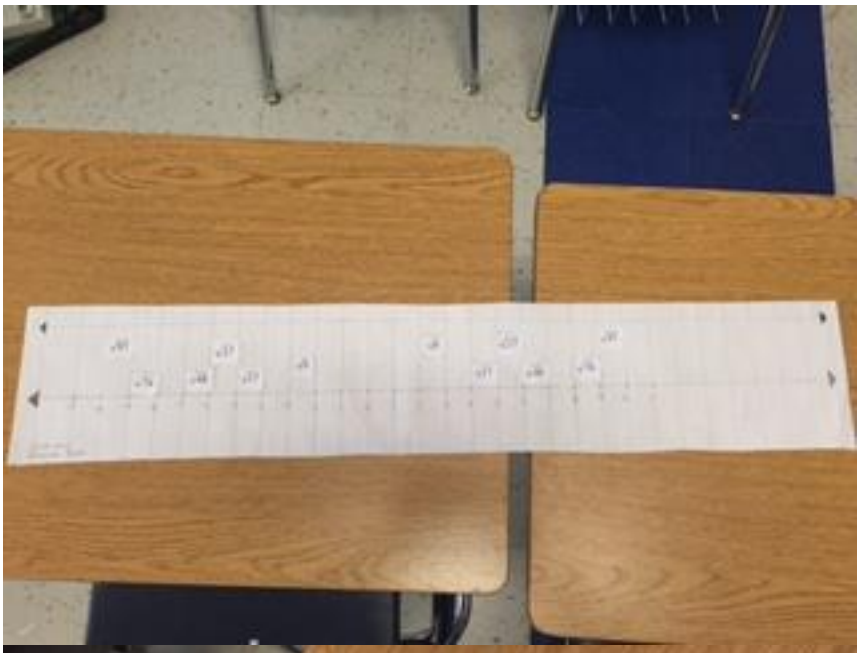
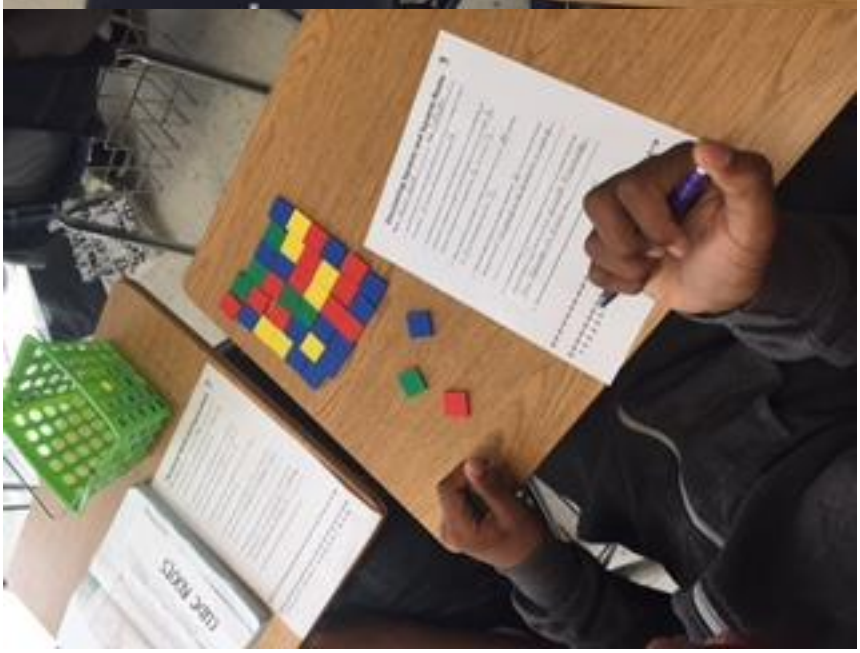
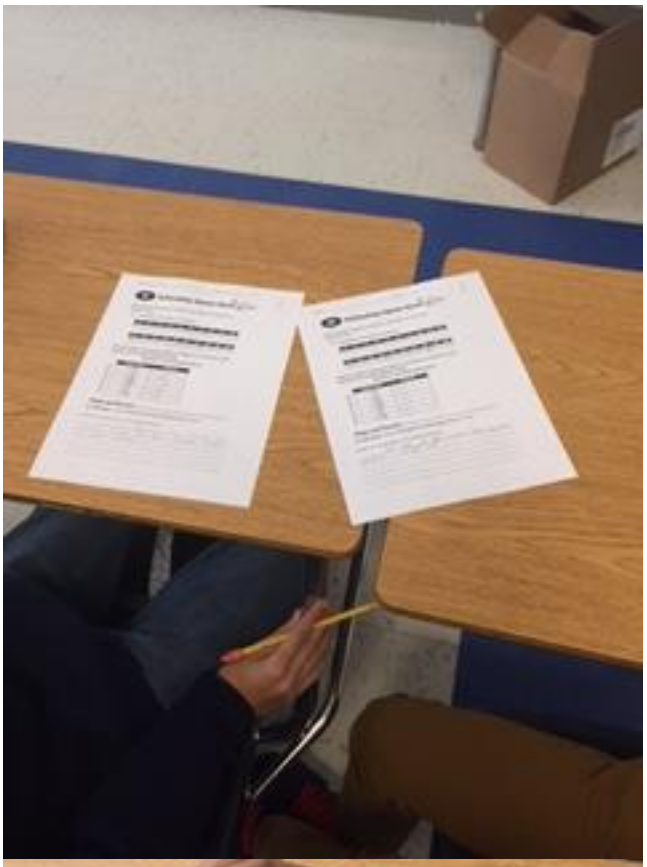
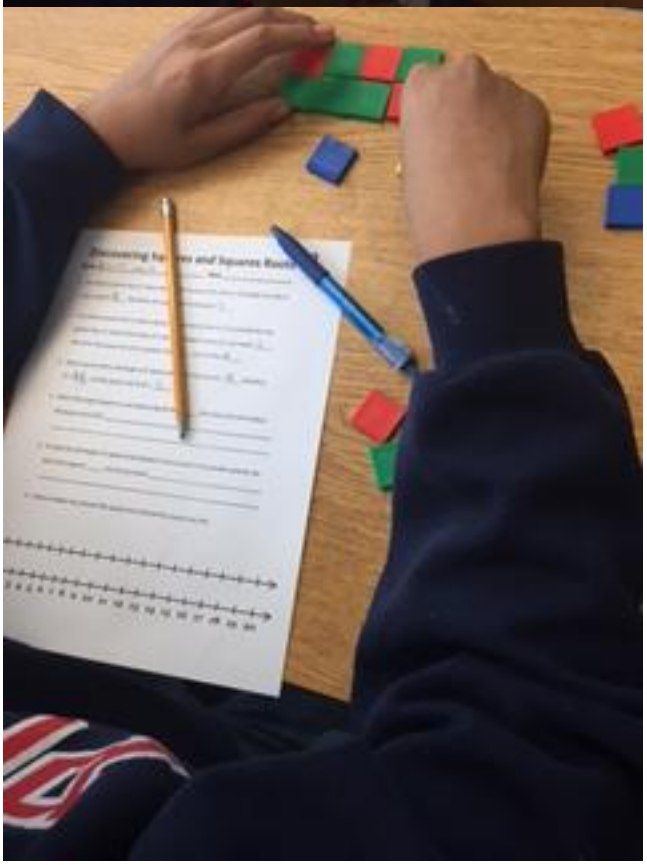
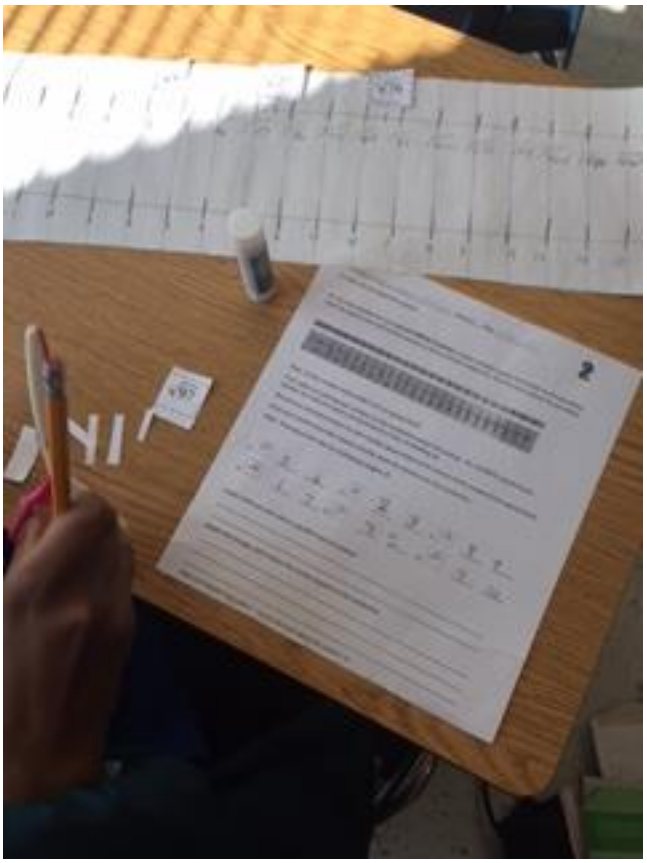


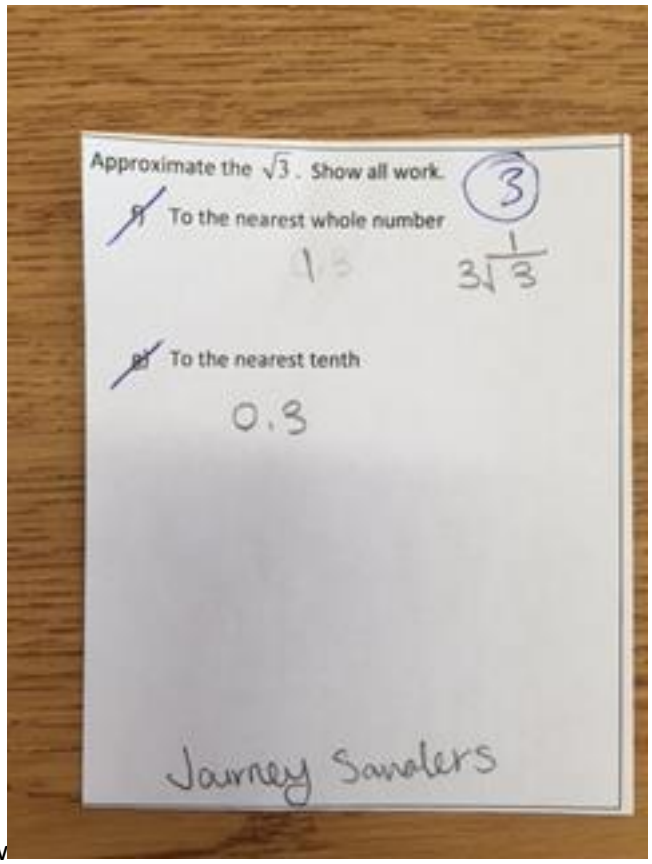




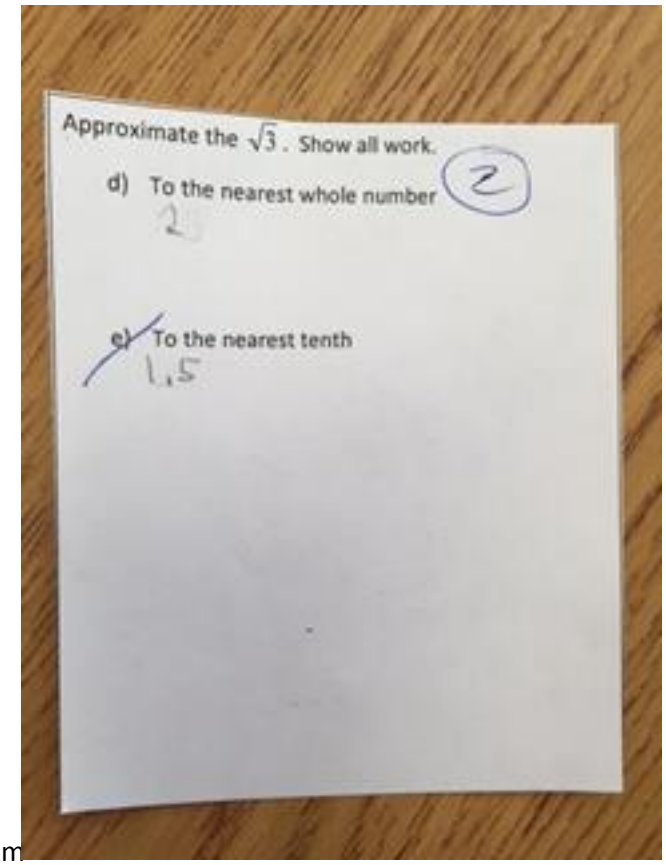


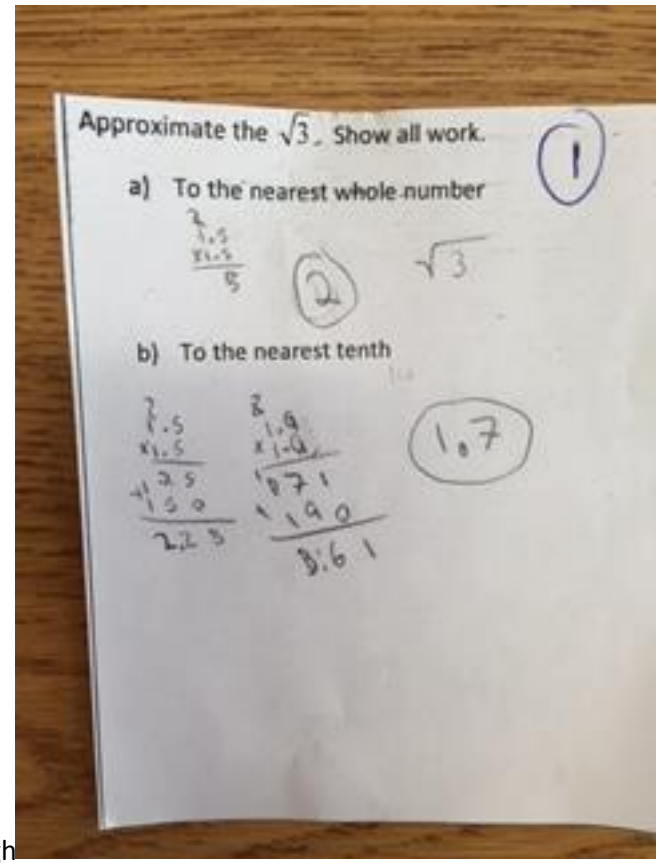


Low

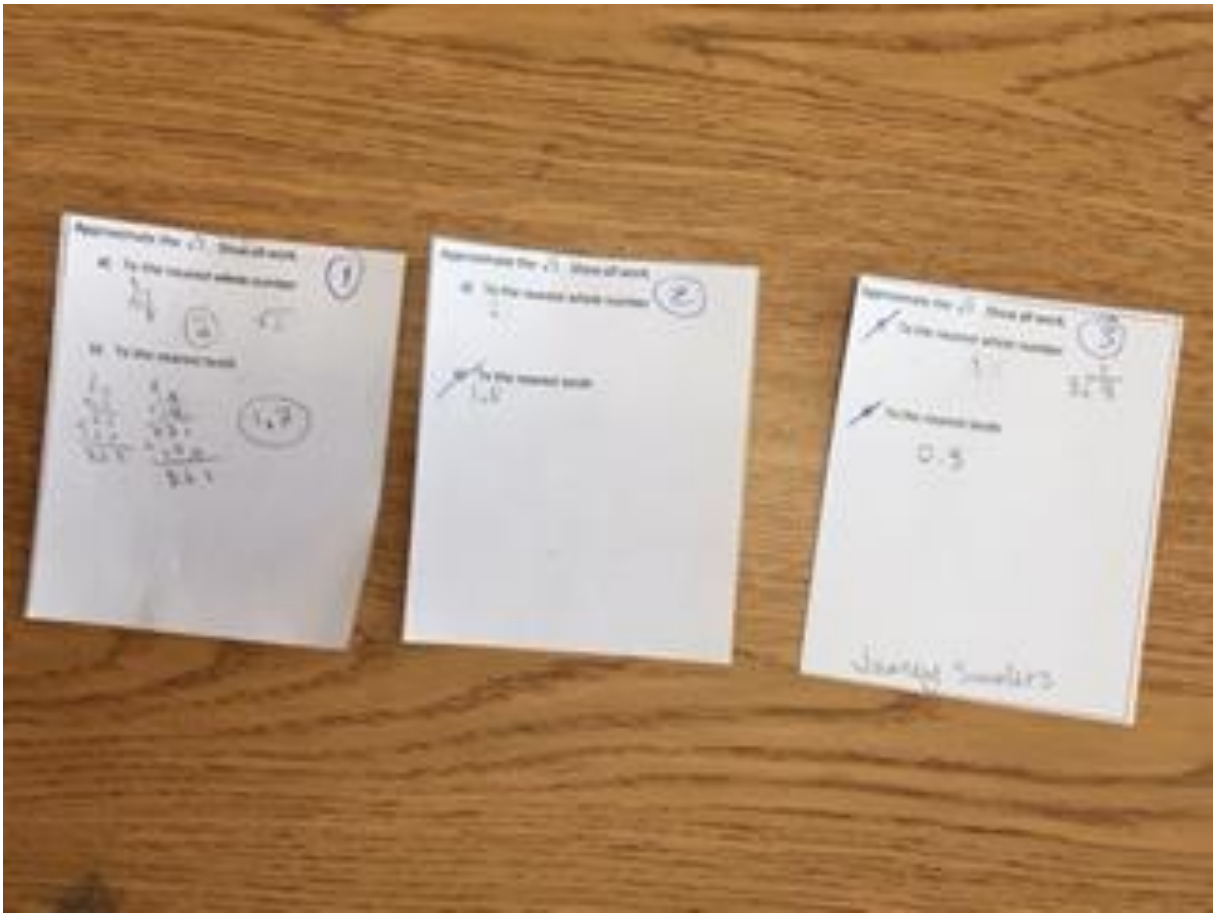

Approximate the $\sqrt{3}$. Show all work.
3
To the nearest whole number
1
3
To the nearest tenth
0.3
Journey Sanders

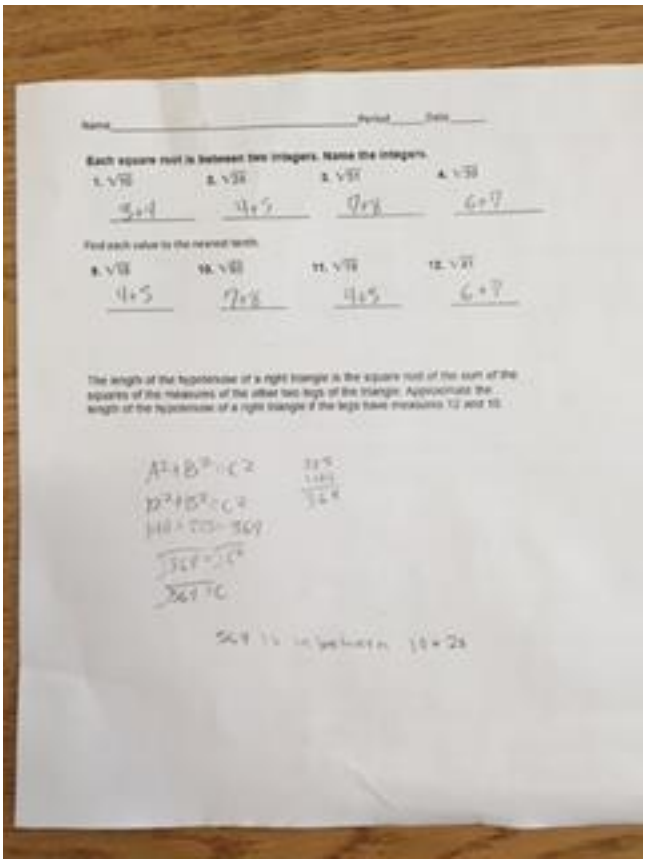
Medium


Approximate the $\sqrt{3}$. Show all work.
d) To the nearest whole number
2
2
e) To the nearest tenth
1.5


Approximate the √3. Show all work.
a) To the nearest whole number
b) To the nearest tenth
1
2
√3
1.7

High





Name _____ Period ____ Date ____

Each square root is between two integers. Name the integers.

1. $\sqrt{18}$ 4 + 5
2. $\sqrt{34}$ 5 + 6
3. $\sqrt{61}$ 7 + 8
4. $\sqrt{38}$ 6 + 7

Find each value to the nearest tenth.

9. $\sqrt{18}$ 4.5
10. $\sqrt{61}$ 7.8
11. $\sqrt{18}$ 4.5
12. $\sqrt{41}$ 6.4

The length of the hypotenuse of a right triangle is the square root of the sum of the squares of the measures of the other two legs of the triangle. Approximate the length of the hypotenuse of a right triangle if the legs have measures 12 and 15.

$A^2+B^2=C^2$
$12^2+15^2=C^2$
$144+225=369$
$\sqrt{369}=\sqrt{C^2}$
$369=C$

$\sqrt{369}$ is between 19 and 20