Sunrise Secondary School
Academic year 2023/2024
1º Secondary Education

Mathematics
2nd Assessment 1st Exam
Radicals and fractions

Surname: ..... Name: .....

Group: ..... Date: .....

Question	1	2	3	4	5	Total
Points	2	2	2	2	2	10
Calification						

- This test must be performed with a blue or black non-erasable pen.
- Cheating, talking, getting up from the chair or disturbing the rest of the class can be reasons for withdrawal from the test, which will be valued with a zero.
- All operations must appear, it is not enough to just indicate the result.

1. Calculate the following operations and simplify if possible: (*2 points*)

(a) $\frac{5}{12} \cdot \frac{9}{15} =$

(b) $10 \cdot \frac{9}{15} =$

(c) $\frac{5}{12} : \frac{4}{15} =$

(d) $2 : \frac{5}{3} =$

Model A

Teacher: andres

2. Calculate the following operations and simplify if possible: (*2 points*)

(a) $\frac{4}{11} + \frac{5}{11} - \frac{2}{11} =$

(b) $3 + \frac{2}{5} =$

(c) $\frac{7}{12} + \frac{2}{9} =$

(d) $1 - \frac{9}{13} =$

Surname: ..... Name: .....

3. Calculate the following operations and simplify if possible: (*2 points*)

(a) $\frac{3}{5} - \left(1 - \frac{7}{10}\right) =$

(b) $\left(3 - \frac{5}{3}\right) \cdot \left(2 - \frac{7}{5}\right) =$

4. Sort the following fractions from highest to lowest: (*2 points*)

$$\frac{2}{3}; \frac{3}{8}; \frac{4}{6}; \frac{1}{2}$$

5. In a garden we have 20 red, 10 white and 15 yellow rose bushes. (*2 points*)

(a) What fraction does each color represent?

(b) If we have pruned red rose bushes, what fraction do we have left to prune?