

Name:

QUIZ – MATH GRADE 11 SL

Calculate/Simplify

1. (10%) $\sqrt{0.01} =$

4. (5%) $\sqrt[n]{a^n} =$

2. (10%) $\sqrt{0.25} =$

5. (5%) $\sqrt{a}\sqrt{a} =$

3. (10%) $\sqrt{2} + \sqrt{32} =$

6. (5%) $\sqrt{a} + \sqrt{a} =$

7. (15%) Convert $0.1111\dots$ to a fraction and find its square root.

8. (10%) Simplify $\sqrt{18} - \sqrt{50} =$

9. (10%) Simplify $\frac{\sqrt{300}}{\sqrt{147}} =$

10. (10%) Rationalize the denominator: $\frac{5}{2 + 3\sqrt{7}}$

11. (10%) Rationalize the numerator: $\frac{3\sqrt{2}}{2 + \sqrt{2}}$