

2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

1A.3abc

1. Write the radical expression $-\sqrt[3]{128}$ in simplest radical form.

Simplest radical form _____

2. Simplify the following radical expression

$$\sqrt{20} - \sqrt{8} - \sqrt{45} + \sqrt{50}$$

Simplest radical form _____

3. Simplify the following radical expression

$$(4\sqrt[3]{3})(-6\sqrt[3]{18})$$

Simplest radical form _____

4. Which radical expression when expressed in simplified form is $5\sqrt{3}$?

- A. $\sqrt{30}$
- B. $\sqrt{45}$
- C. $\sqrt{50}$
- D. $\sqrt{75}$

5. Which expression is the simplest form of $\sqrt{108r^5t^9}$?

- A. $2r^2t^4\sqrt{27rt}$
- B. $2r^4t^8\sqrt{27rt}$
- C. $6r^2t^4\sqrt{3rt}$
- D. $6r^4t^8\sqrt{3rt}$

