

**Direction:** Select the letter of the correct answer for each question below.

1) Simplify  $\sqrt[3]{x^4 y^5}$

a)  $xy \sqrt[3]{xy^2}$

b)  $x^3 y^2 \sqrt[3]{xy^2}$

c)  $\sqrt[3]{x^3 y^4}$

d)  $xy \sqrt[3]{x^2 y^3}$

2) Which of the following is not equivalent to  $\sqrt{32}$ ?

a)  $32^{1/2}$

b)  $32^{2/4}$

c)  $4(2)^{1/2}$

d)  $16(2)^{1/2}$

3) Add:  $4\sqrt{5}$  and  $7\sqrt{5}$

a)  $\sqrt{55}$

b)  $11\sqrt{5}$

c)  $28\sqrt{5}$

d)  $\sqrt{5}$

4) Solve for the value of x in  $\sqrt{x - 2} = 5$

a) 25

b) 26

c) 27

d) 28

5) Rationalize the denominator of  $\frac{1}{2\sqrt{x}}$



## Radical Expressions

*Practice Questions*

- a)  $\frac{x}{2\sqrt{x}}$
- b)  $\frac{\sqrt{x}}{2x}$
- c)  $\frac{2}{\sqrt{x}}$
- d) None of the above



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*To God be the glory!*