

Lesson 8-1: Zero and Negative Exponents

Part 1: Zero and Negative Exponents

1. 060020a, P.I. A2.A.8

What is the value of 3^{-2} ?

- [A] $\frac{1}{9}$ [B] -9 [C] 9 [D] $-\frac{1}{9}$

2. 080522a, P.I. A2.A.8

What is the value of 2^{-3} ?

- [A] -6 [B] -8 [C] $\frac{1}{6}$ [D] $\frac{1}{8}$

3. 010723a, P.I. A2.A.8

What is the value of $3^0 + 3^{-2}$?

- [A] $\frac{1}{9}$ [B] $1\frac{1}{9}$ [C] 6 [D] 0

4. 080730a, P.I. A2.A.8

The expression $(\frac{3}{4})^2 \bullet (\frac{1}{4})^{-2}$ is equivalent to

- [A] 3 [B] $\frac{9}{16}$ [C] $\frac{9}{256}$ [D] 9

5. 010511a, P.I. A2.A.9

Which expression is equivalent to x^{-4} ?

- [A] $-4x$ [B] $\frac{1}{x^4}$ [C] x^4 [D] 0

6. 080119a, P.I. A2.A.9

Which expression is equivalent to $x^{-1} \cdot y^2$?

- [A] xy^{-2} [B] $\frac{x}{y^2}$ [C] $\frac{y^2}{x}$ [D] xy^2

Part 1: Zero and Negative Exponents

[1] A _____

[2] D _____

[3] B _____

[4] D _____

[5] B _____

[6] C _____