

MODULE 3

LESSON 2

QUIZ

1. Question. Which of the following is the solution of the equation

$$A = \frac{1}{2}h(a + b)d$$

for the variable  $b$ ?

- A.  $b = \frac{2A+a}{h}$   
B.  $b = \frac{2A}{h} - a$   
C.  $b = \frac{h}{2A} - a$   
D.  $b = \frac{A}{2h} - a$

Go to answer 1

2. Question. Which of the following rational functions has the set

$$(-\infty, -5) \cup (-5, 3) \cup (3, \infty)$$

as its domain?

- A.  $f(x) = \frac{x^2-3x-10}{x^2+2x-15}$   
B.  $f(x) = \frac{x^2+2x-15}{x^2-3x-10}$   
C.  $f(x) = \sqrt{x^2 + 2x - 15}$   
D.  $f(x) = x^2 + 2x - 15$

Go to answer 2

3. Question. Which of the following describes the solution of the equation

$$\frac{x+1}{x-2} = \frac{x+3}{x-1}?$$

A.  $x = 2$  or  $x = -1$

B.  $x = -5$

C.  $x = -1$  or  $x = -3$

D.  $x = 5$

Go to answer 3

4. Question. Which of the following describes the solution of the equation

$$\frac{1}{x} + \frac{x}{x-2} = \frac{x+2}{2x}?$$

A.  $x = 0$  or  $x = -2$

B.  $x = 2$  or  $x = 0$

C.  $x = 1$  or  $x = 3$

D.  $x = -2$

Go to answer 4

5. Question. A large tank can be filled through the filling pipe in 2 hours. It takes 5 hours for the draining pipe to empty the tank completely. Which of the following is the number of hours that it takes to fill the tank when the both pipes are open?

A.  $4\frac{1}{3}$

B.  $3\frac{1}{3}$

C.  $3\frac{1}{2}$

D.  $2\frac{2}{3}$

Go to answer 5

## ANSWERS

1. Answer to Question 1 is "B".

Go back 1

2. Answer to Question 2 is "A".

Go back 2

3. Answer to Question 3 is "D".

Go back 3

4. Answer to Question 4 is "D".

Go back 4

5. Answer to Question 5 is "B".

Go back 5