

(BQC01-0001E)

- $\frac{2}{n} \div \frac{1}{n} = ?$
- A)  $2/n^2$
- B)  $n^2/2$
- C) 2
- D)  $2n^2$

(BQC01-0002E)

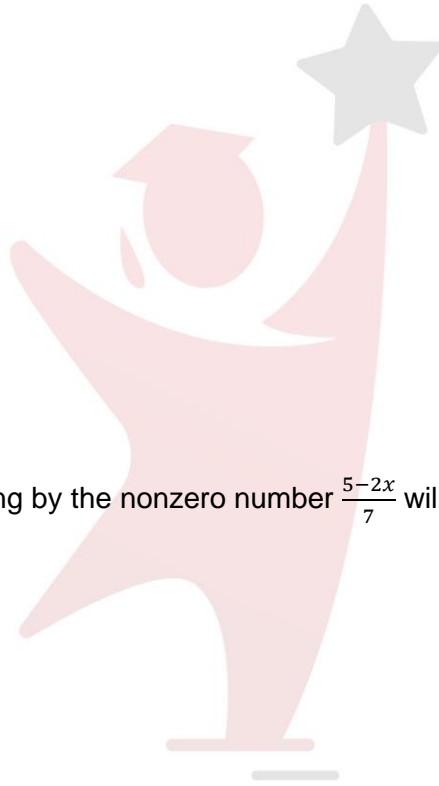
- $3x + 10 = 9x - 20, (x + 5)^2 = ?$
- A) 100
- B) 25
- C) 5
- D) 10

(BQC01-0003M)

- Multiplying which of the following by the nonzero number  $\frac{5-2x}{7}$  will give a product of -1?
- A)  $\frac{7}{5-2x}$
- B)  $\frac{-7}{2x-5}$
- C)  $\frac{7}{2x-5}$
- D)  $\frac{2x-5}{7}$

(BQC01-0004E)

- If  $2x - 1 = 11$  and  $3y = 12$ , what is the value of  $\frac{x}{y}$ ?
- A)  $3/2$
- B)  $2/3$
- C) 2
- D) 6.4



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(BQC01-0005M)

- Solve for  $x$  in the equation  $z = 5x - 25xy$ 
  - $\frac{z}{-20y} = x$
  - $\frac{z}{1-5y} = x$
  - $\frac{z}{5-25y} = x$
  - $\frac{z}{30y} = x$

(BQC01-0006M)

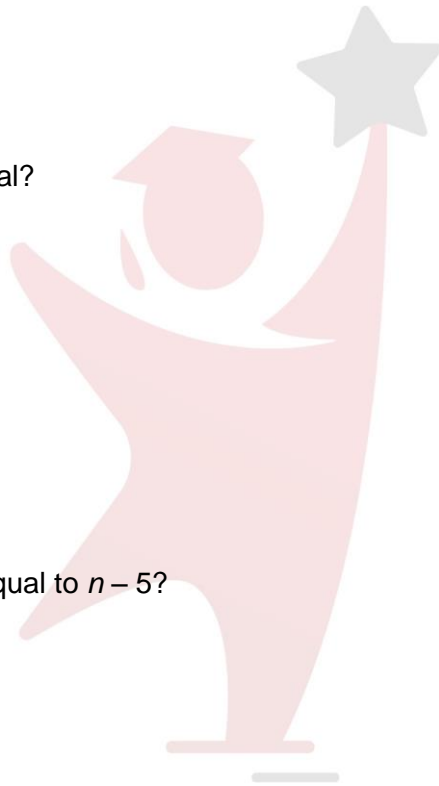
- If  $1 + \frac{1}{t} = t + \frac{1}{t}$  what does  $t$  equal?
  - +1 only
  - +1 or -1 only
  - +1 or +2 only
  - No values

(BQC01-0007M)

- For what values of  $n$  is  $n + 5$  equal to  $n - 5$ ?
  - No value
  - 0
  - All negative values
  - All positive values

(BQC01-0008E)

- What is the solution to the equation  $\frac{2}{x+2} = \frac{7}{x-3}$ ?
  - 4
  - 1
  - $\frac{1}{5}$
  - 4



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(BQC01-0009M)

- If  $3x-5y=5$  and  $\frac{x}{x+y} = \frac{5}{7}$ , then what is the value of  $x-y$ ?
  - A) 3
  - B) 4
  - C) 6
  - D) 9

(BQC01-0010E)

- If  $2p + 3q = 18$  and  $2p - q = 2$ , then  $2p + q = ?$ 
  - A) 6
  - B) 7
  - C) 10
  - D) 20

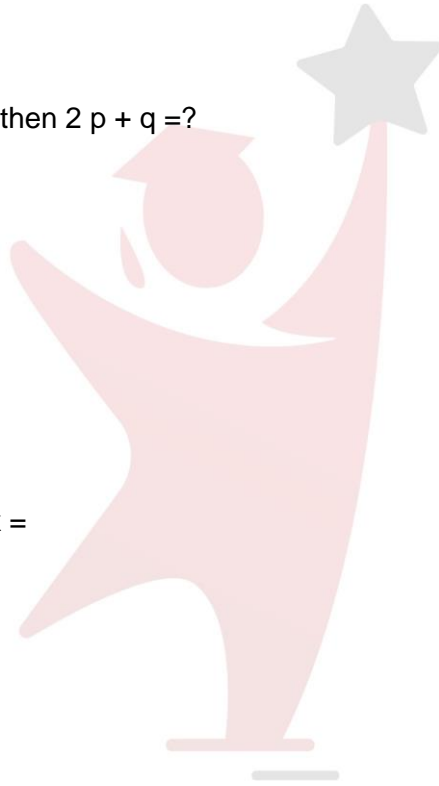
(BQC01-0011M)

- If  $\frac{1}{x} + \frac{1}{y} = \frac{1}{4}$  and  $\frac{1}{x} - \frac{1}{y} = \frac{3}{4}$  then  $x =$ 
  - A)  $\frac{1}{4}$
  - B)  $\frac{1}{2}$
  - C) 1
  - D) 2

(BQC01-0012M)

- $x^2 + y = 9$ ,  $x^2 - y = -1$ ,  $y = ?$ 
  - A) 5
  - B) 7
  - C) 8
  - D) 10

**ANS (A)**



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(BQC01-0013M)

- If  $a + b = 3$  and  $ab = 4$ , then  $\frac{1}{a} + \frac{1}{b} = ?$

- A)  $\frac{3}{4}$
- B)  $\frac{4}{7}$
- C)  $\frac{1}{7}$
- D)  $\frac{3}{7}$

**ANS (A)**

(BQC01-0014E)

- If  $0.23m = .069$ , then  $m =$

- A) 0.003
- B) 0.03
- C) 0.3
- D) 3

(BQC01-0015M)

- If  $d = \frac{c-b}{a-b}$ , then  $b =$

- A)  $\frac{c-d}{a-d}$
- B)  $\frac{c+d}{a+d}$
- C)  $\frac{ca-d}{ca+d}$
- D)  $\frac{c-ad}{1-d}$



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Answer key	
1	C
2	A
3	C
4	A
5	C
6	A
7	A
8	A
9	A
10	D
11	D
12	A
13	A
14	C
15	D

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