

(BQC01-0001E)

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

(BQC01-0002E)

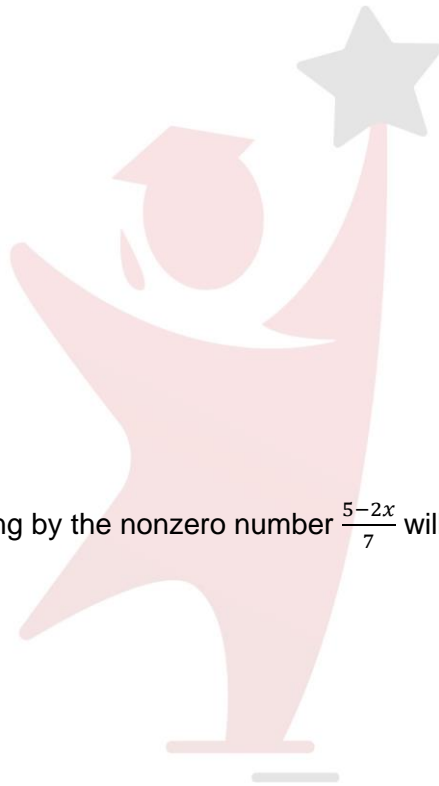
- $3x + 10 = 9x - 20, (x + 5)^2 = ?$
- A) 100
- B) 25
- C) 5
- D) 10

(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 $z = 5x - 25xy$

- A) $\frac{z}{-20y} = x$
- B) $\frac{z}{1-5y} = x$
- C) $\frac{z}{5-25y} = x$
- D) $\frac{z}{30y} = x$

(BQC01-0006M)

- If $1 + \frac{1}{t} = t + \frac{1}{t}$ what does t equal?

- A) +1 only
- B) +1 or -1 only
- C) +1 or +2 only
- D) No values

(BQC01-0007M)

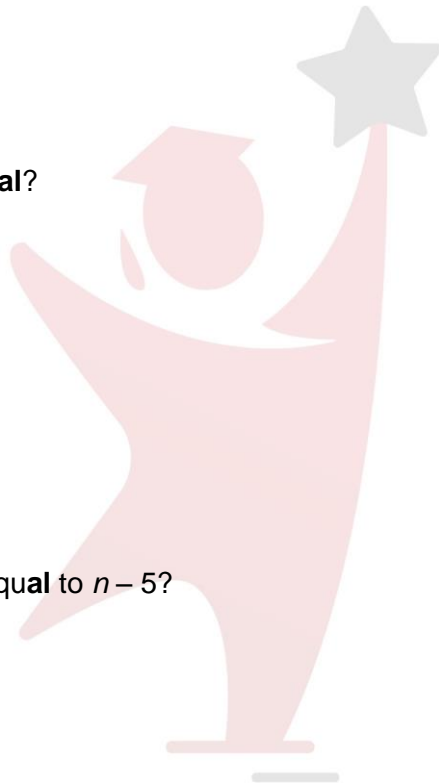
- For what values of n is $n + 5$ equal to $n - 5$?

- A) No value
- B) 0
- C) All negative values
- D) All positive values

(BQC01-0008E)

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

- A) -4
- B) -1
- C) $\frac{1}{5}$
- D) 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



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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) $\frac{3}{7}$

(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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