

PRINTABLE VERSION

Quiz 2

Question 1

Solve for x : $-6x - 5 = -4x - 4$

- a) $\frac{9}{10}$
- b) $\frac{1}{2}$
- c) $\frac{9}{2}$
- d) $-\frac{1}{10}$
- e) $-\frac{1}{2}$
- f) None of the above.

Question 2

Solve for x : $9x - \frac{9}{2}(x - 2) = 18$

- a) -4
- b) $-\frac{9}{2}$
- c) -2
- d) -9
- e) 2
- f) None of the above.

Question 3

Solve the following equation for x : $8 + \left(\frac{1}{x} - 2\right) = 16$

- a) $\frac{1}{16}$
- b) $\frac{1}{26}$
- c) $\frac{1}{6}$
- d) $\frac{1}{22}$
- e) $\frac{1}{10}$
- f) None of the above.

Question 4

Solve the following equation for x : $\frac{8}{11}x - 1 = 6$

- a) $\frac{77}{4}$
- b) 77
- c) $\frac{77}{8}$
- d) 55
- e) $\frac{55}{8}$
- f) None of the above.

Question 5

Solve the following equation for x : $-\frac{3}{8x} + \frac{5}{56x} = 16$

- a) $-\frac{1}{24}$

- b) $-\frac{7}{8}$
- c) $-\frac{1}{56}$
- d) $\frac{1}{24}$
- e) $\frac{1}{56}$
- f) None of the above.

Question 6

Find a solution to: $\frac{x}{5} + \frac{1}{6} = \frac{7}{30}$

- a) $x = \frac{5}{4}$
- b) $x = \frac{1}{3}$
- c) $x = \frac{5}{6}$
- d) $x = \frac{6}{5}$
- e) $x = \frac{1}{6}$
- f) None of the above.

Question 7

The sum of three consecutive integers is 159. Find the smallest integer.

- a) 51
- b) 50
- c) 52
- d) 49
- e) 55

f) None of the above.

Question 8

A rectangle's length is 12 inches greater than its width. If the perimeter of the rectangle is 44 inches, find the length. (All answers are given in inches.)

a) 20

b) 14

c) 17

d) 21

e) 19

f) None of the above.

Question 9

Thomas collects dimes and quarters in his change jar. If he has 8 more dimes than quarters, and the total amount of money in the jar is \$26.70, find the number of each type of coin in the jar.

a) 74 quarters and 82 dimes

b) 69 quarters and 81 dimes

c) 72 quarters and 78 dimes

d) 78 quarters and 87 dimes

e) 77 quarters and 81 dimes

f) None of the above.

Question 10

One-fourth of Eric's age last year plus triple his age next year is 84. How old is Eric?

a) 25

b) 26

c) 48

d) 27

e) 24

f) None of the above.