

Review Worksheet #15

Section 1 - Multiple Choice

For question 1

A plumber charges \$75 to come out to the house, plus \$12 for each hour of work.

Service	Amount Charged
Service Call	\$75
Each Hour	\$12

1)

Which formula does the plumber use to determine the amount of the bill?

(a) $\frac{12}{n} + 75$

(b) $75 - 12n$

(c) $75n + 12$

(d) $12n + 75$

2) Let $y = (-13)$. Solve for x .

$$-2x - 7 = y$$

(a) $x = 3$

(b) $x = 10$

(c) $x = -3$

(d) $x = -10$

3) Solve when $x=6$.

$$7x - 14$$

- (a) 28
- (b) 30
- (c) 34
- (d) 38

4) What is the value of y if $x=6$?

$$y = 4x - 9$$

- (a) $5 = y$
- (b) $12 = y$
- (c) $15 = y$
- (d) $24 = y$

5) Solve for x .

$$x \div 5 = 10$$

- (a) 40
- (b) 45
- (c) 50
- (d) 55

6) Solve for x . $14 + x = 21$

- (a) 5
- (b) 6
- (c) 7
- (d) 8

7) Which value for f makes this equation true?

$$f + 12 = 33$$

- (a) -45
- (b) -21
- (c) 21
- (d) 45

8) Solve for z : $-5.1z = -11.73$.

- (a) 32
- (b) 2.3
- (c) -3.2
- (d) -23

9) Solve for y .

$$23 = \frac{y}{1.4}$$

- (a) 32.2
- (b) 3.22
- (c) 0.322
- (d) 322

10) Solve for t .

$$\frac{t}{43} = 0.32$$

- (a) 1.376
- (b) 4.62
- (c) 13.4375
- (d) 13.76

11) Solve for x : $-2.1x = -14.28$.

- (a) 0.68
- (b) -6.8
- (c) 6.8
- (d) -68

12) Find the value of n that makes the equation below true.

$$\frac{2}{3}n = 51$$

- (a) 1.5
- (b) 36.6
- (c) 76.5
- (d) 110

13) Solve for n .

$$13n = -117$$

- (a) 9
- (b) $\frac{1}{9}$
- (c) $-\frac{1}{9}$
- (d) -9

14) Find the missing value of x .

$$3x - 6 = 120$$

- (a) 38
- (b) 42
- (c) 46
- (d) 116

15) Which addend below would make this equation true?

$$\frac{1}{2} + \frac{1}{6} + x = 1$$

- (a) $\frac{1}{12}$
- (b) $\frac{1}{6}$
- (c) $\frac{1}{3}$
- (d) $\frac{11}{12}$

16) Which addend would make this equation true?

$$8\frac{5}{8} + x = 12\frac{1}{6}$$

- (a) $3\frac{11}{48}$
- (b) $3\frac{13}{24}$
- (c) $4\frac{28}{48}$
- (d) $21\frac{19}{24}$

17) Let $y = (-4)$. What is x ?

$$y = 2x - 12$$

- (a) $x = 4$
- (b) $x = 8$
- (c) $x = -4$
- (d) $x = -8$

18) Let $y = -18$. What is x ?

$$3x - 6 = y$$

- (a) $x = 4$
- (b) $x = 8$
- (c) $x = -4$
- (d) $x = -8$

19) If $x = 6$, then what is the value of the following algebraic expression?

$$7x - 12 = y$$

- (a) $10 = y$
- (b) $20 = y$
- (c) $30 = y$
- (d) $40 = y$

20) Solve.

$$x + 15 > 30$$

- (a) $x > 2$
- (b) $x > 15$
- (c) $x > 45$
- (d) $x > 450$