

Review Worksheet #6Section 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) Solve for x .

$$156 + x = 182$$

(a) 26

(b) 36

(c) 238

(d) 338

3) Joanne is paid \$6 an hour for babysitting. If she earned \$132, which equation shows how many hours she worked?

(a) $132 - x = 6$

(b) $\frac{x}{132} = 6$

(c) $6x = 132$

(d) $x + 6 = 132$

4) Let $y = -12$. Solve for x .

$$6 + -2x = y$$

(a) $x = -3$

(b) $x = -9$

(c) $x = 3$

(d) $x = 9$

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

$$-2x - 7 = y$$

(a) $x = 3$

(b) $x = 10$

(c) $x = -3$

(d) $x = -10$

6) Let $y = -4$. Find x .

$$4x - (-8) = y$$

(a) $x = -1$

(b) $x = -3$

(c) $x = 1$

(d) $x = 3$

7) Solve when $x = 6$.

$$7x - 14$$

(a) 28

(b) 30

(c) 34

(d) 38

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

$$y = 4x - 9$$

(a) $5 = y$

(b) $12 = y$

(c) $15 = y$

(d) $24 = y$

9) What is x in the equation below?

$$4x = 32$$

- (a) 6
- (b) 8
- (c) 9
- (d) 12

10) Solve for y .

$$2.3 = \frac{y}{1.4}$$

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

11) 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

12) Solve for n .

$$13n = -117$$

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

13) Find the missing value of x .

$$3x - 6 = 120$$

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

14) Jack gets paid a \$50 base salary plus \$3 an hour for each hour he works. To find his pay, which equation should he use?

- (a) $3h + 50$
- (b) $3h - 50$
- (c) $50h + 3$
- (d) $50h - 3$

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) Solve for y using mental math.

$$0.6y = 600$$

- (a) 1
- (b) 10
- (c) 100
- (d) 1,000

20) Solve for n .

$$126 - n = 63$$

- (a) 63
- (b) 143
- (c) 163
- (d) 189