ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

WS 3A.1 - Solving One and Two-Step Equations

#1-16, Solve each equation.

1.
$$x + 4 = 12$$

2.
$$x-4=12$$

3.
$$\frac{4x}{4} = \frac{12}{4}$$

4.
$$\frac{x}{4} = 12$$
.

5.
$$5 + n = 30$$

6.
$$-5 + n = 30$$

7.
$$-5n = 30$$

8.
$$\frac{n \cdot (-5)}{-5} = 30 \cdot (-5)$$

9.
$$6x + 9 = 39$$

$$\frac{6x}{6} = \frac{30}{6}$$

$$\chi = 5$$

10.
$$20 = 2d - 6$$

$$\frac{26}{2} = \frac{2d}{2}$$

11.
$$6-2d=42$$

$$\frac{-2d}{-2} = \frac{36}{-2}$$

12.
$$\frac{b}{4} + 12 = -4$$

13.
$$15 = -7 - \frac{z}{6}$$

14.
$$10 - q = -25$$

$$\frac{-q}{-1} = -\frac{35}{-1}$$

15.
$$12 = -9 - \frac{r}{5}$$

16.
$$12h + 2.5 = -21.5$$

$$\frac{12h}{12} = -\frac{24}{12}$$

17. A startup phone carrier offers cell phone service for \$32.95 per month plus an intial charge of \$49.99. If Fernando spent a total of \$346.54 on his phone service, how many months did he pay for?

$$32.95m + 49.99 = 346.54$$

$$\frac{32.95}{32.95} = \frac{296.55}{32.95}$$

$$m = 9$$

- Fernando paid for 9 months.
- 18. Kylie has some quarters and \$5.15 in nickels. If she has \$7.90 total, how many quarters does she have? let a = number of quarters Kylie has

$$0.259 + 5.15 = 7.90$$

$$0.25q = 2.75$$

Kylie has 11 quarters.