Section 1.1: Solving Simple Equations

Name: _____

In Class Notes

Ex:) <u>Solve</u> the equation. <u>Check</u> your solution.

a) $x - 7 = -6$ <u>Check</u>   Notes:

b) $\dfrac{5}{12} = w + \dfrac{1}{3}$ <u>Check</u>   Notes:

c) $y + 3.4 = 0.5$ <u>Check</u>   Notes:

Ex:) <u>Solve</u> the equation. <u>Check</u> your solution.

a) $-\dfrac{3}{4}n = -2$ <u>Check</u>   Notes:

b) $\pi x = 3\pi$ <u>Check</u>   Notes:

OYO:) <u>Solve</u> the equation. <u>Check</u> your solution.

a) $\dfrac{4}{3} = \dfrac{2}{15}j$ <u>Check</u>   Notes:

b) $\dfrac{1}{6} = \dfrac{5}{12} + p$ <u>Check</u>   Notes:

What is the VESI process?

V   E   S   I

Ex:) <u>Use</u> the VESI process to solve the following.

The temperature in a crater on Mars is $0°C$ at 1 P.M.   Notes:
The temperature decreases $8°C$ every hour.
When will the temperature be $-50°C$?

OYO:) <u>Use</u> the VESI process to solve the following.

You shopped online and found your MP3 player for $9.75 less than the store price p.   Notes:
The online price was $64. Write and solve an equation to find the store price.
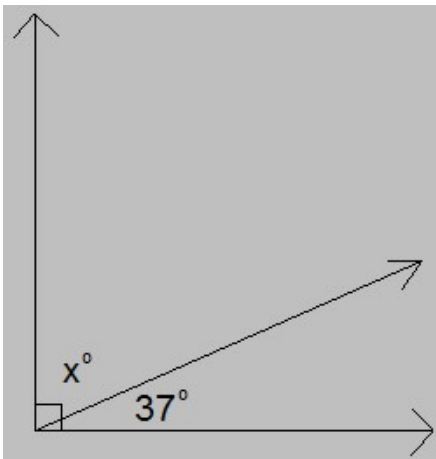
Ex:) Error Analysis.

<u>Describe</u> & <u>Correct</u> the mistake that was made.   Notes:

Write and solve an equation to find the value of x.

The angles are complementary

$$x° + 37° = 180°$$

$$\underline{-37°\quad -37°}$$

$$x° = 143°$$

$$\boxed{x = 143}$$

<u>Describe</u>   <u>Correct</u>

Absolute Value Describes…

Ex:) <u>Solve</u> the equation. <u>Check</u> your solution.

a) $-5 = m - \left|-7\right|$ <u>Check</u>   Notes:

Ex:) <u>Solve</u> the equation. <u>Check</u> your solution.

b) $\left|17\right| + u = 11$ <u>Check</u>   Notes: