

Name: _____ Date: _____ Block: _____

Worksheet#1

Mrs. van der Vossen
Math 8

1. Solve and check:

a) $7n = -2.8$

b) $x + 10 = 4$

c) $\frac{y}{6} = 9.2$

d) $1.5 = x - 4.8$

e) $x - 9 = 6$

f) $\frac{x}{-4} = -2$

g) $\frac{x}{3} = -4$

h) $x - 15 = -5$

i) $64 = 8+d$

j) $-44 = \frac{p}{-4}$

l) $\frac{e}{7} = -16$

k) $-6+y = -7.2$

2. Show if $x = -15$ is the solution to each equation USING SUBSTITUTION.
Do not just solve for x .

a) $x + 10 = -25$

b) $\frac{x}{-15} = 1$

c) $\frac{x}{-3} = -5$

d) $-21 = x - 6$

3. Write an equation and solve for the number:

a) a number decreased by six is negative 8.

b) the product of eight and a number is -3.2.

c) the difference of a number and twelve is seventeen.

4. The length of a skateboard is 4 times its width. The length of Mike's skateboard is 79 cm.

a) Write an equation to find the width, w .

b) What is the width of Mike's skateboard? Check your answer