

Name Answer key

Date _____

Homework #54 - Solving One Step Equations (Mult/Div)

Directions: Solve the following equations algebraically and check.

1) $\frac{12}{6} = \frac{6x}{6}$

$2 = x$

Check

$12 = 6x$

$12 = 6(2)$

$12 = 12$

2) $\frac{9y}{9} = \frac{-30}{9}$

$y = -3\frac{1}{3}$

Check

$9y = -30$

$9(-3\frac{1}{3}) = -30$

$-30 = -30$

3) $\frac{4.1s}{4.1} = \frac{-8.2}{4.1}$

$s = -2$

Check

$4.1s = -8.2$

$4.1(-2) = -8.2$

$-8.2 = -8.2$

4) $\frac{(2.1)d}{2.1} = 4.2(2.1)$

$d = 8.82$

Check

$\frac{d}{2.1} = 4.2$

$\frac{8.82}{2.1} = 4.2$

$4.2 = 4.2$

5) $\frac{(5)s}{5} = \frac{y}{5}$

$25 = y$

Check

$5 = \frac{y}{5}$

$5 = \frac{25}{5}$

$5 = 5$

6) $\frac{(6)x}{-6} = -2(-6)$

$x = 12$

Check

$\frac{x}{-6} = -2$

$\frac{12}{-6} = -2$

$-2 = -2$