

Name: _____ Period: _____ Number: _____

Math 9 / 9H

HW 1.1e #1 – Solving Proportion Equations

For #1 – 8, solve six of them and justify one. Then do #9 and 10. Do it on a separate paper if needed!

I cut these up and made 6 copies of each. I put them around the room and they worked at their own pace. Then I made copies and put them in the binder for absent peeps.

$$1) \frac{6}{5} = \frac{n-27}{4}$$

$$2) \frac{2}{9} = \frac{x+2}{x}$$

$$3) \frac{d+13}{2} = \frac{d-5}{3}$$

$$4) \frac{7b-3}{26} = \frac{8}{7}$$

$$5) \frac{4}{5} = \frac{-6x+1}{14}$$

$$6) \frac{1}{5} = \frac{2c-5}{10}$$

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7) $\frac{2x-8}{6} = \frac{3-3x}{2}$

9) Write an equation (with variables on each side and one set of parentheses) that has NO SOLUTIONS. Do the problem and then explain why that means no solution. If you need an example, ask Mendy.

8) $\frac{x+1}{5} = \frac{-2x+6}{5}$

10) $-7(2x - 3) + 8x = 6x$