

Math 2 Unit 6 Worksheet 0

Name: _____

Date: _____ Per: _____

[1-10] Solve each equation for the variable. Show your work or explain your reasoning.

1. $\frac{12}{9} = \frac{4}{x}$

$x = \underline{\hspace{2cm}}$

2. $\frac{3}{4y} = \frac{9}{168}$

$y = \underline{\hspace{2cm}}$

3. $\frac{x}{4} = \frac{77}{28}$

$x = \underline{\hspace{2cm}}$

4. $\frac{11}{y} = \frac{9}{27}$

$y = \underline{\hspace{2cm}}$

5. $\frac{m}{51} = \frac{3}{34}$

$m = \underline{\hspace{2cm}}$

6. $\frac{2}{7} = \frac{b+1}{56}$

$b = \underline{\hspace{2cm}}$

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7. $\frac{x-2}{8} = \frac{-3}{4}$

$x = \underline{\hspace{2cm}}$

8. $\frac{y}{3} = \frac{y+6}{8}$

$y = \underline{\hspace{2cm}}$

9. $-\frac{5}{6} = \frac{b-1}{b-12}$

$b = \underline{\hspace{2cm}}$

10. $\frac{10}{m+3} = \frac{-5}{m+6}$

$m = \underline{\hspace{2cm}}$

Check your answers [1-10] with the below values. Each correct answer is listed, but not necessarily in the correct order.

-4 4.5 11 15 6 14 $3\frac{3}{5}$ 3 -5 33

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