

Name: Kery
Mrs. Roumbos

Date: _____
8R Period _____

HOMEWORK

<p>1) Solve the equation & state the property used:</p> $\frac{4x}{4} = \frac{12}{4} \quad \text{Division Property of Equality}$ $\boxed{x=3}$	<p>2) Solve the equation & state the property used:</p> $\frac{3x}{3} = \frac{-36}{3} \quad \text{Division Property of Equality}$ $\boxed{x=-12}$
<p>3) Solve the equation & check:</p> $\frac{-2x}{-2} = \frac{6}{-2}$ $\boxed{x=-3}$ <p style="text-align: right;"><u>check</u></p> $-2x = 6$ $-2(-3) = 6$ $6 = 6$	<p>4) Solve the equation & check:</p> $\frac{-5x}{-5} = \frac{20}{-5}$ $\boxed{x=-4}$ <p style="text-align: right;"><u>check</u></p> $-5x = 20$ $-5(-4) = 20$ $20 = 20$ <p style="text-align: right;">✓</p>
<p>5) Solve the equation & state the property used:</p> $3\left(\frac{x}{3}\right) = (4) \cdot 3 \quad \text{multiplication property of equality}$ $\boxed{x=12}$	<p>6) Solve the equation and check:</p> $2 \cdot (12) = \left(\frac{x}{2}\right) \cdot 2$ $24 = x$ $\boxed{x=24}$ <p style="text-align: right;"><u>check</u></p> $12 = \frac{x}{2}$ $12 = \frac{24}{2}$ $12 = 12$ <p style="text-align: right;">✓</p>
<p>7) Solve the equation and state the property used:</p> $2\left(\frac{2}{3}x\right) = (6) \cdot \frac{3}{2} \quad \text{multiplication property of equality}$ $\boxed{x=9}$	<p>8) Solve the equation and check:</p> $\frac{8}{5} \left(\frac{5}{8}x\right) = (25) \cdot \frac{8}{5}$ $\boxed{x=40}$ <p style="text-align: right;"><u>check</u></p> $\frac{5}{8}x = 25$ $\frac{5}{8}(40) = 25$ $25 = 25$ <p style="text-align: right;">✓</p>
<p>9) Solve the equation and state the property used:</p> $-\frac{3}{7} \left(\frac{1}{3}x\right) = (4) \cdot -\frac{3}{7} \quad \text{multiplication property of equality}$ $\boxed{x=-12}$	<p>10) Solve the equation and check:</p> $-\frac{5}{7} \left(-\frac{1}{5}x\right) = (5) \cdot -\frac{5}{7}$ $\boxed{x=-25}$ <p style="text-align: right;"><u>check</u></p> $-\frac{1}{5}x = 5$ $-\frac{1}{5}(-25) = 5$ $5 = 5$ <p style="text-align: right;">✓</p>