

## Algebra Review

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1. solve for  $x$

$$\frac{ay}{x} = \frac{cb}{s}$$

2. solve for  $d$

$$v_f^2 = v_i^2 + 2ad$$

3. solve for  $b$

$$y = mx + b$$

4. solve for  $v$

$$t = \frac{d}{v}$$

5. solve for  $v$

$$a = \frac{v^2}{2d}$$

6. solve for  $a$

$$y = v_i t + \frac{1}{2} at^2$$

7. solve for  $a$

$$v = \sqrt{2as}$$

8. Silver has a density of  $10.5 \text{ g/cm}^3$ . Write an equation for density.  
What is the mass of  $65.0 \text{ cm}^3$  of silver?