

$$5. \quad A = 2bx + 3by - 7 \quad \text{For } b$$

$$A + 7 = 2bx + 3by$$

$$A + 7 = b(2x + 3y)$$

$$\frac{A+7}{2x+3y} = \frac{b(2x+3y)}{2x+3y}$$

$$\frac{A+7}{2x+3y} = b$$

$$6. \quad \frac{x}{y} = \frac{3}{z} + \frac{9}{b} \quad \text{For } b$$

$$byz \left(\frac{x}{y} \right) = byz \left(\frac{3}{z} \right) + byz \left(\frac{9}{b} \right)$$

$$bxz = 3by + 9yz$$

$$bxz - 3by = 9yz$$

$$b(xz - 3y) = 9yz$$

$$\frac{b(xz - 3y)}{xz - 3y} = \frac{9yz}{xz - 3y}$$

$$b = \frac{9yz}{xz - 3y}$$

$$7. \quad s = \frac{1}{2}gt^2 + vt \quad \text{For } g$$

$$\partial s = \partial \left(\frac{1}{2}gt^2 \right) + \partial vt$$

$$\partial s = gt^2 + 2vt$$

$$\partial s - 2vt = gt^2$$

$$\frac{\partial s - 2vt}{t^2} = \frac{gt^2}{t^2}$$

$$\frac{\partial s - 2vt}{t^2} = g$$