

1. Consider the following equation, $bh + hr = 25$.

Part A: Solve the equation for h .

Part B: Solve the equation for r .

2. Consider the following equation $x = \frac{r-h}{y}$.

Part A: Solve the equation for h .

Part B: Solve the equation for r .

3. Charlize and Camille solved the equation $4x - 2y = 8$ for y . Their work is shown below.

Charlize

$$4x - 2y = 8$$
$$-2y = 8 + 4x$$
$$y = -4 - 2x$$

Camille

$$4x - 2y = 8$$
$$-2y = 8 - 4x$$
$$y = -4 + 2x$$

Which student solved the equation correctly? Justify your answer.

4. Solve the following equation for p .

$$2m = \frac{p-q}{r}$$

5. The formula to find the volume of a sphere is $V = \frac{4}{3}\pi r^3$, where r is the radius of the sphere.

What is the formula in terms of r ?



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