

AGS 1 Name: _____ Period: _____ Date: _____

Assignment 5.3 – Solving Equations and Inequalities

Solve equation for the given variable, showing each step.

1. $4x + 3 = 27$

2. $\frac{x}{4} - 3 = 9$

3. $6x + 3x + 8 = 35$

4. $8x - 4 = 3x + 6$

5. $7x + 3(x + 2) = -24$

6. $8 = 13 - x$

7. $3(2x - 5) = 4x - 7$

8. $5x - (x - 5) = 13$

Solve each equation for the indicated variable.

9. Solve for r : $d = rt$

10. Solve for c : $ab + c = d$

Solve each equation for the indicated variable.

11. Solve for m : $y = mx + b$

12. Solve for h : $V = \frac{1}{3}\pi hr^2$

Solve each equation for y .

13. $4x + y = -10$

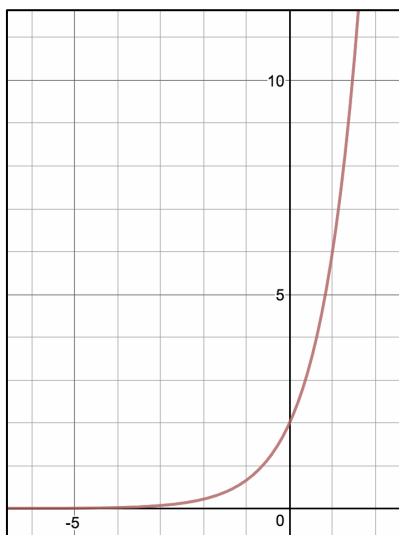
14. $2x + 2y = 8$

15. $6x - 3y = 12$

16. $4 - 10y = 22 - 6x$

Refresh your memory.

17.



Type:

Common ratio:

y-intercept:

Equation: