

SUBSTITUTION PRACTICE QUIZ

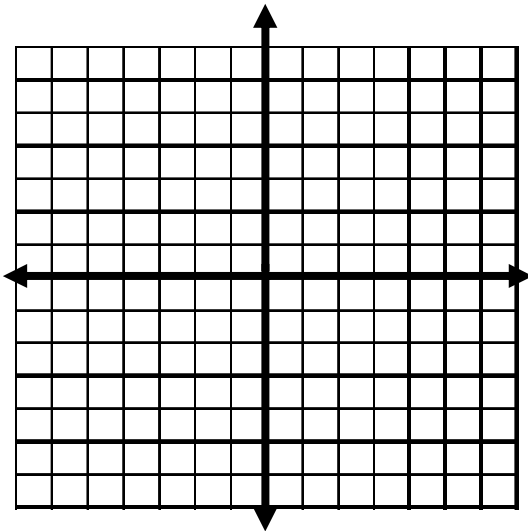
ACCELERATED 7TH GRADE MATH

NAME: _____

- 1) Solve the following equations by substitution: $y + 1 = 3x$ $-3y = 3x - 9$

Solution = _____

- 2) Solve the following equations by graphing: $y + 1 = 3x$ $-3y = 3x - 9$



Solution = _____

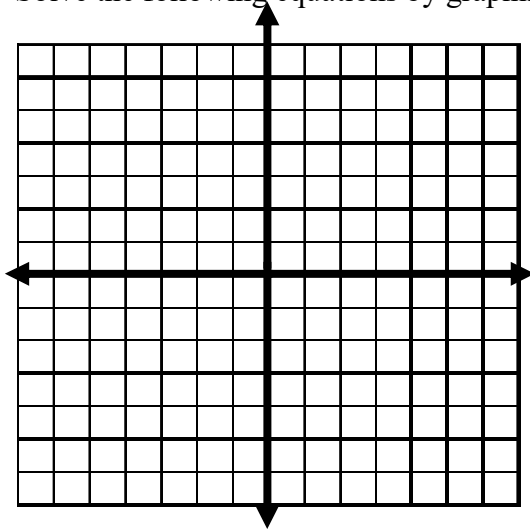
- 3) Solve the following equations by substitution: $-3y + 9x = -9$ $y = 3x + 3$

Solution = _____

4) Solve the following equations by graphing:

$$-3y + 9x = -9$$

$$y = 3x + 3$$



Solution = _____

5) The high school football team is going to have a “lift-a-thon” to help raise money for their new weight room. Josh asks his family for a \$10 up-front donation, plus another \$0.10 for every pound he lifts on the bench press. Roger asks for a \$5 up front donation plus another \$0.20 for every pound lifted.

a) Write two equations for the situation:

Josh:

Roger:

b) Solve the system using substitution

c) What does the solution mean in the context of the story?