

Quadratic Standard Form: $ax^2 + bx + c = 0$

Quadratic Formula: Find a, b, and c then plug into formula and simplify

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

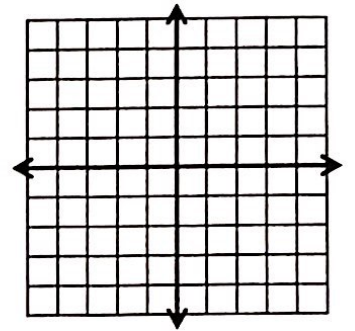
25. Solve the equation by each method listed. Show all steps!! Be precise in your work!

$$y = 2x^2 + 8x + 6$$

a) factor/ZPP

b) quadratic formula

c) graphing.... vertex = ()



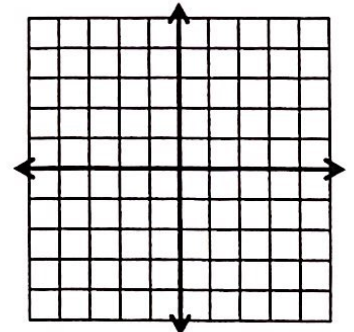
26. Solve the equation by each method listed. Show all steps!! Be precise in your work!

$$f(x) = x^2 + 6x + 9$$

a) Factor/ZPP

b) quadratic formula

c) graphing.... vertex = ()



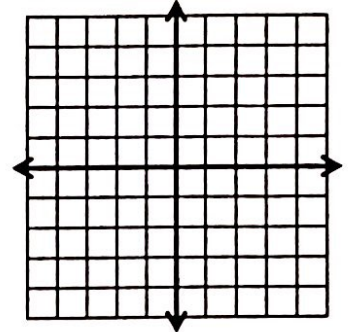
27. Solve the equation by each method listed. Show all steps!! Be precise in your work!

$$-x^2 + 9 = 0$$

a) factor/ZPP

b) quadratic formula

c) graphing.... vertex = ()



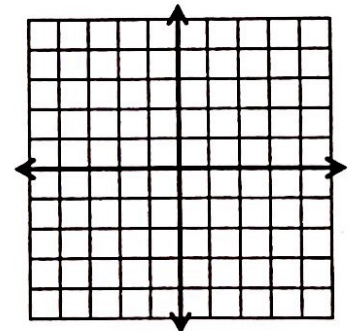
28. Solve the equation by each method listed. Show all steps!! Be precise in your work!

$$x^2 - 4 = 0$$

a) factor/ZPP

b) quadratic formula

c) graphing.... vertex = ()



Application Word Problems

STEPS: READ the problem.

DECIDE what it is asking you to find. LIST all knowns and unknowns.

SUBSTITUTE in your given values (knowns) into the formula.

FACTOR and SOLVE.

ANSWER the question.