

Algebra Review #38 SHOW HOW YOU SOLVED EACH PROBLEM

1.

Solve each:

$(x + 4)(x - 20)$	$(4x - 3)(5x + 4)$
-------------------	--------------------

2. Factor each:

$x^2 - 9x + 20$	$2x^2 + 16x + 30$
-----------------	-------------------

3. Solve the following for a:

$$\frac{2a}{3} = 8 + 4a$$

NAME _____

4. Find the mistake in the problem, circle it, and then fix the work:

Joe Shmoe

You

$$-2(x - 8) + 4x = -12$$

$$-2x - 16 + 4x = -12$$

$$-2x - 16 + 4x = -12$$

$$-2x - 16 = -12$$

$$+16 \quad +16$$

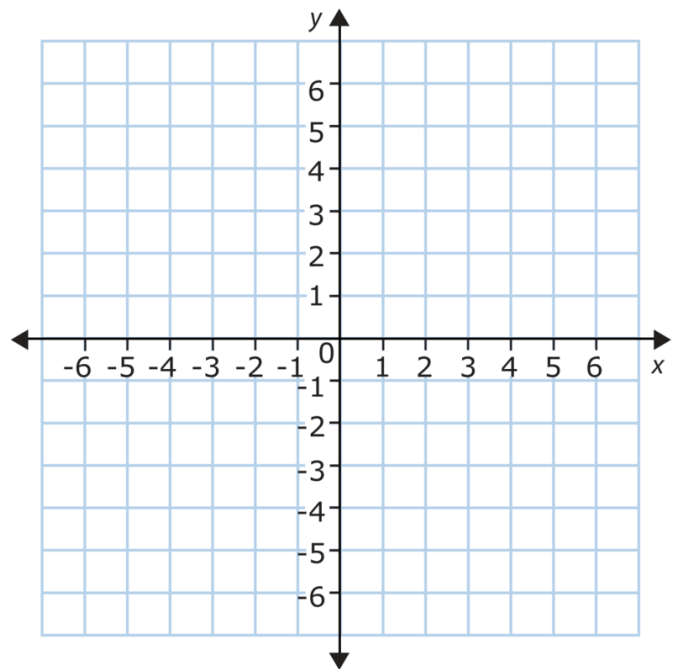
$$\frac{-2x}{2} = \frac{4}{2}$$

$$x = 2$$

5. Simplify the following expression:

$$2 + \sqrt[3]{729} \div 9 - 50 \div -2$$

6. Graph a line which has a slope of -3 and goes through the point (1,4).



7. Simplify $\sqrt{3} \cdot \sqrt{9}$

9. Simplify:

$$(x^2y)(x^3y^4)$$

8. Solve the following inequality and graph on the number line:

$$-3 - 6(4x + 6) > -111$$

10. Solve the equation for h:

$$\frac{1}{2}(b + h) = A$$

