Expressions and Equations Whiteboard practice

Math 7 Plus

Simplify the expression

$$2(x + 2) - 3(2x - 6)$$

What is the solution to the inequality?

-3x − 24 > -3

3

Erin saved $15 in a jar each month for 3 ½ years. She spent 75% of her savings on a computer.

How much money did Erin have left in the jar?

Simplify the expression

$$-3(4y - 2x) + 3(5x + 3)$$

Caroline is 12 years younger than twice Anna's Age.

Caroline is 32 years old.

How old is Anna?

Graph the solution set for....

$$14 - x < 4$$

What is the value of x in the equation?

$$-5 = 4x - 29$$

8

When Jafar was born his family planted a 36 in. tall tree. The plant has grown 2 ¼ inches each year since then. If the tree is 63 in. tall now, how old is Jafar?

Which set of numbers is included in the solution set of…

$$4 - 2x > 14$$

a) {2.5, 1, 4}

b) { -6, -20, -14}

c) { -5, 12, 5.5}

Jaxon has a job as dump truck driver.

- He earns $5.00 for every hour he works.

- He earns $15.00 for each load delivered.

- He delivers 5 loads and works for 12 hours.

How much money did Jaxon earn?

Shakyra spends $480 on monthly bills. Of this total amount 15% is for her cell phone, 45% is for rent, 1/6 is for utilities. If the rest of the total amount is for food, how much does Shakyra have for food?

Find the solution to the equation

$$2(3x + 6) = 4x - 18$$