Opener

$$X = 28 \left(\frac{2}{7}\right)14 = \frac{1}{5}x\left(\frac{2}{7}\right)$$

$$-2x + 9 - 3x = 24 \int_{-5x+9}^{3} -5x = 15$$

$$-5x+9=24$$
3. Solve for $x = -9$

$$-2(x+1) + x = -3x + 2(4x+3)$$

-2x+-2+X = -3x+8x+4

$$-x+2=5x+6$$

$$+x=+2$$
Reflexive Prop.
$$-X=5X+8$$
Add. Prop of Eq.
$$-X=5X+8$$
Reflex Prop.
$$-X=5X+8$$
Add. Prop of Eq.
$$-X=5X+8$$
Reflexive Prop.
$$-X=5X+8$$

Questions on 2B4A

2 B4A Review Solving Equations

Name: ______Per: _____

SHOW YOUR WORK FOR FULL CREDIT. NO WORK, NO CREDIT. NO WORK IN PEN.

Solving Two Step Equations. Solve for x

1.
$$3x + 7 = -5$$

3.
$$5x - 2 = -32$$

2.
$$18 = \frac{1}{2}x + 10$$

4.
$$-x + 7 = -2$$

Combining Like Terms and Solving Equations. Solve for x

5.
$$5x + 18 - 8x = 33$$

8.
$$-5 + x + 16 = -3$$

6.
$$-3x - 4 + 2x = 2$$

9.
$$7x + 14 - 5x$$

7.
$$5 - \frac{1}{2}x + 3 = -30$$

$$10.\ 2 + 3x - 2x = -15$$

Distribute, Combine and Solve. Solve for x

11.
$$-(3-x)=4$$

12.
$$4(x-2) + 2x = 40$$

13.
$$3(x-12)=27$$

Extra Credit (SHOW YOUR WORK):
$$(4x + 2) - (12x + 8) + 2(5x - 3) = 16$$

Grade 2B4A

2 B4A Review Solving Equations KEY.notebook

An Overview of Unit 2 in Study Guide

Properties of Equality

Reflexive Property Q = Q

Properties of Equality

Addition Property of Equality

Example

Subtraction Property of Equality

Example

Properties of Equality

Multiplication Property of Equality

Example

Division Property of Equality

Example

Properties of Equality

Distributive Property of Multiplication over Addition and Subtraction $\mathcal{A}(b+\mathcal{C}) = ab+a\mathcal{C}$

Example

Solve for X: 2(X+4)+3y=-4y+9 2X+8+3y=-4y+9 -8-3y=-3y-8 =-3y+1 =-7y+1 =-

Solve for x:

$$3(x-5)=2(x+1)$$

 $3x-15=2x+2$
 $-2x+15=-2x+15$
 $x = 17$

Solve for z:

$$10(y-z)=5(m+z)$$

$$(0y-10z=5m+5z)$$

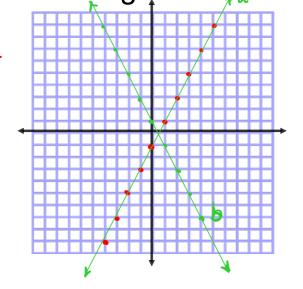
$$10y-5m=\frac{15z}{15}$$

$$\frac{1}{15}y-\frac{1}{3}m=z$$

Determine which line matches the given

equation:

$$2x-1=y$$



- 2 B4A Review Solving Equations KEY.pdf
- 2 B4A Review Solving Equations.pdf



2 B4A Review Solving Equations KEY.notebook

SMI Term 1 Booklet.pdf