Alg1

March 5, 2012

Get out WS6...

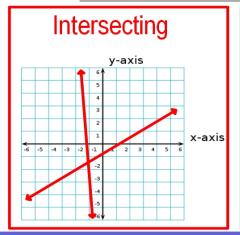


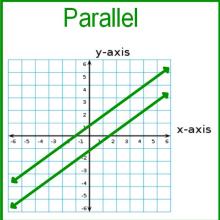
4)
$$x + 4y = -4y$$

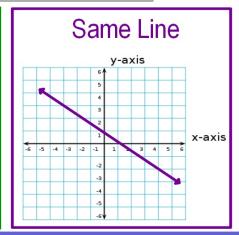
 $-3x - y = 11$
 $x = -4y - 11$
 $-3(-4y - 1) - y = 11$
 $12y + 33 - y = 11$
 $11y + 33 = 11$
 $11y = -2x$
 $y = -7$

3/5 - Solving Inconsistent Systems using Substitution

- 1. Solve one equation for one variable
- 2. Substitute into the other equation
- 3. Solve for the variable
- 4. Substitute into an equation with both variables
- 5. Solve for the variable
- 6. What's the point?







$$-x - 4y = -15$$

$$x + 4y = 15$$

$$-4y - 4y$$

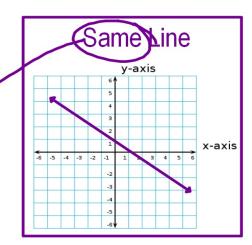
$$x = 15 - 4y$$

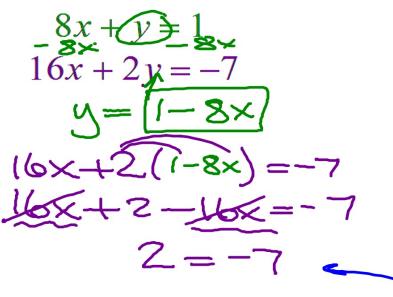
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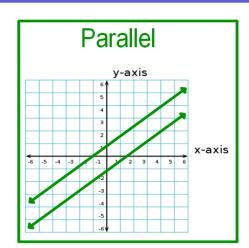
$$-(15-4y)-4y=-15$$

$$-15+4y-4y=-15$$

$$-(5=-15)$$
all pts on







X

different lines but they don't cross

$$3x - 24y = 0$$

$$x - 8y = 5$$

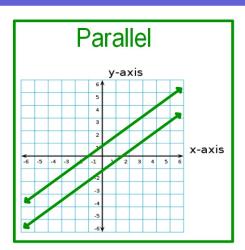
$$+8y + 8y$$

$$x = 5 + 8y$$

$$3(5 + 8y) - 24y = 0$$

$$15 + 24y - 24y = 0$$

$$15 = 0$$



$$x + 2y = -7$$

$$-2x - 4y = 14$$

$$x = -7 - 2y$$

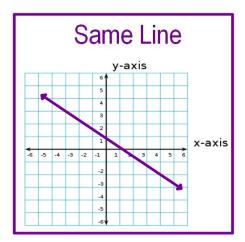
$$-2(-7 - 2y) - 4y = 14$$

$$14 + 4y - 4y = 14$$

$$14 = 14$$

$$all (sts on)$$

$$x + 2y = -7$$



Homework

Blue Systems WS7

Pue Tuesday