Warmup $\frac{11}{Solution of} \frac{x+2}{5} = 2$

1) Solve and check: 3(x - 4) = x + 8***Did you check your homework answers? If not, go back and do that now.***

2 through 7 will be on the next few slides!!! -17 = x + 8

78

Which step is right? 8x + 2x = 50 8x + 2x = 60 -2x - 2x 6x = 60 8x + 2x = 60 8x + 2x = 608x + 2x = 60



Δ

Which step is right? 4x - 9 = x - 124x - 9 = x - 12+x +x 4x - 9 = x - 12-x 7x 3x - 9 = -125x - 9 = -12

R



Which step is right? -4(x - 10) = 36

A.
$$-4x - 40 = 36$$

B. $-4x + 40 = 36$
C. $-4x - 10 = 36$

Which step is right? -14 + 4x = 6x + 7 -14 = 10x + 7-14 = 10x + 7





Which step is right? 10 + 2(3x - 4) = 20 10 + 6x(-8) = 2036x - 48 = 206x + 2 = 20

A



Which steps are right?	
-3x + 14 =	10x + 6 – 8x
-3x + 14 = 10x + 6 - 8x $+8x + 8x$ $+8x + 8x$ $5x + 14 = 10x + 6$	-3x + 14 = 10x + 6 - 8x $+8x + 8x$ $-3x + 14 = 18x + 6$
-3x + 14 = 10x + 6 - 8x 7x + 14 = 6 - 8x	-3x + 14 = 10x + 6 - 8x $D - 3x + 14 = 2x + 6$



 Just show me the grade. You will need to keep this page because we will have more homework on it next week.

Both correct, work showed, both **1.** k = -9 answers checked = 100

2. a = -14 One wrong, minor mistake, both answers checked = 93

Both correct, did not check answers = 8

One wrong, did not check answers= 75

QUIZ TOMORROW:

- 2-step equations
- Equations with variables on both sides
- Combining Like Terms
- Distributive Property
- Equations with fractions
- Checking your solution

Don't forget:

- The retake deadline for the Linear Quiz (the one with tasks) is one week from today – Wed, 11/15
- To be eligible, you must do quiz corrections using the blue sheet and complete the extra practice.
- It is pretty hard to pass the class if you have quiz grades below ~60%!

Whiteboards!









Word Problems

- For each problem:
 - 1) Define a variable.
 - 2) Write an equation representing the situation.
 - 3) Solve the equation and describe the meaning of your solution.

 Meigs' Mathletes need money to travel to a competition. They have raised \$560. They need to raise a total of \$1680. Write and solve an equation to find how much more they need.



- Define a variable. 1)
- 2) Write an equation representing the situation.
- Solve the equation and describe 3) the meaning of your solution.

Homework: Study for the quiz!!!