Name: **Date:**

Day 01 _ Solving Equations Classwork

(6.EE.7) Which step should be taken to isolate the variable in the following equation?

m + 4 = 18

A Add 4 to both sides of the equation.

B Subtract 4 from both sides of the equation.

C Multiply both sides of the equation by 4.

D Divide both sides of the equation by 4.

Answer

(6.EE.5) Which is the solution to m + 4 = 16?

A ¼

B 4

C 12

D 22

Answer

Solve	Steps	Check
Example #1 **C + 11 = 30**	**Goal: To get the variable alone.** 1. **Write the _____.** 2. **_____ the operation.** 3. **Perform the _____ operation to both sides.** 4. **_____** 5. **Check**	

Example # 2 **X – 9 = 18**	**Check Ex #2**	**Example # 3** **M – 5.5 = 19.5**	**Check Ex #3**
Example # 4 **X + 11.2 = 20**	**Check Ex #4**	**Example #5** **K – 39 = 48**	**Check Ex #5**

Example # 6	Check Ex #6	Example #7	Check Ex #7
34 = c + 9.09		**M – 4 = 17.05**	

For #s 1-4 Writ your answer in the space below:

Instructions: Solve the following equations by using inverse operations.

1. a + 2.4 = 7.8 a) a = 4.5 b) a = 5.4 c) a = 10.2 d). a = 7.8	2. x – 24 = 58 a) x = 82 b) x = 34 c) x = 28 d). x = 36
3. $b - \frac{1}{4} = 3\frac{1}{2}$ a) $b = 3\frac{1}{4}$ b) $b = 3\frac{3}{4}$ c) $b = 2\frac{3}{4}$ d) $b = 2\frac{1}{4}$	4. $p + \frac{1}{2} = \frac{4}{6}$ a) $p = 1\frac{1}{6}$ b) $p = \frac{7}{6}$ c) $p = \frac{1}{6}$ d) p = .33

Write your answers for numbers 1-4 below.

1)

2)

3)

4)

#5

(6.EE.5) Which is the solution to $y - 1.2 = 8.35$?

A 7.15

B 8.47

C 8.23

D 9.55

Answer :

#6

Solve the equation

$17 = x + 3$

☐ a) $x = 20$ ☐ b) $x = 14$

☐ c) $x = 13$ ☐ d) $x = 19$

Answer:

#7

$x - 62 = 123$

How should you show your work to isolate the variable and solve the equation?

☐ a) Add 62 to each side. ☐ b) Subtract 62 from each side.

☐ c) Multiply each side by 62. ☐ d) Add 123 to each side.

Answer:

#8 Are the following equation equivalent? Justify your answer. (*Hint: Solve both equations to see.)*

X – 5 = 12.5 and 12.5 = x – 5

Type your answer and explanation below.