

Solving Multi-Step Equations

Solve each equation and choose the correct answer from the given choices. If the answer is not there, choose "e."

1. $-4(2x - 1) = -28$

- a) 4
- b) -4
- c) 3
- d) -3
- e) None of the above

2. $-42 = 2(3 - 6x)$

- a) 4
- b) -4
- c) 3
- d) -3
- e) None of the above

3. $-9 = \frac{k}{-3} + 4$

- a) -15
- b) 15
- c) -39
- d) 39
- e) None of the above

4. $-9 + 2b = 27$

- a) 18
- b) -18
- c) 9
- d) -9
- e) None of the above

5. $12 - \frac{h}{6} = -8$

- a) 120
- b) -120
- c) -24
- d) 24
- e) None of the above

6. $27 = 18 - 3y$

- a) 3
- b) -3
- c) 15
- d) -15
- e) None of the above

Which of the given steps are done first when solving the given equation?

7. $-5 + 3k = 17$

- a) Subtract 5 from both sides
- b) Divide both sides by 3
- c) Subtract 17 from both sides
- d) Add 5 to both sides
- e) None of the above

8. $-8 = \frac{h}{5} - 14$

- a) Add 5 to both sides
- b) Add 14 to both sides
- c) Multiply both sides by 5
- d) Subtract 14 from both sides
- e) None of the above

9. $-4(3b-5)=7$

- a) Multiply -4 and 7
- b) Add 5 to both sides
- c) Add $3b$ and -5
- d) Distribute the -4
- e) None of the above

10. $-11=-2(6x+5)+3x$

- a) Add $6x$ and $3x$
- b) Multiply -2 and $3x$
- c) Multiply -2 and $6x$
- d) Subtract 5 from both sides
- e) None of the above