

Performance Assessment – Solving Equations

Directions: Please solve for the variable in the following equations. Show all of your work. Please state null set for any problem that does not have solution. Round any decimal answers to the tenth.

1. $17 = -3m + 5$ _____

2. $-5(h+8) = -25$ _____

3. $3k + 8 + 4k = 15$ _____

4. $5(d-42) - (d+16) = -10$ _____

5. $\frac{1}{5}(5w+20) + \frac{1}{7}(42w+42) = 8$ _____

6. $2h + 3 - 3h = 14$ _____

7. $-4r + 5 - 7r = -11r + 4$ _____

8. $12(m-3) - 2m = 7m - 36$ _____

9. _____

$$\frac{126}{k} = \frac{14}{18}$$

10. _____

$$\frac{b+6}{11} = \frac{b+11}{12}$$