

Math Quiz –2.3 Solving multistep equations and Formulas

Name: _____

Directions: Solve for the variable.

1. $8b + 6 = 3b + 36$

6. $|m-5| = 34$

2. $-17 + 6m = -3m + 10$

7. $|q-2| + 14 = 14$

3. $6|z-2| + 4 = 40$

8. Solve for g : $2(p-g) = 11$

4. $5.4n + 4.8 = 3(1.8n + 1.6)$

9. Solve for a: $15a - 19b = 20b + 2a$

5. A rectangular field has a perimeter of 126 feet. If the length of the field is 12 feet less than twice the width, what is the area of the field? ($P = L + W + L + W$) ($A = Lw$)

10. Solve for z: $\frac{11y - 10z}{x} = 6m$