

## HW # 9

Show all work in answering the following

1. Which is the solution to  $\frac{1}{6}n - 3 = \frac{n}{3}$  ?

A.  $n = -18$

C. no solution

B.  $n = \frac{18}{4}$

D. infinitely many solutions

2. Which is the solution to  $\frac{4}{5}(n - 3) = n - 2$  ?

A.  $n = 1$

C. no solution

B.  $n = -2$

D. infinitely many solutions

3. Which is the solution to  $6x - 5 = 3(x + 2) + 3x$  ?

A.  $x = 0$

C. no solution

B.  $x = 2$

D. infinitely many solutions

4. Which is the solution to  $\frac{1}{3}w - 2(w+1) = -\frac{1}{3}w + 10$  ?

A.  $w = -9$

C. no solution

B.  $w = 9$

D. infinitely many solutions

5. Which is the solution to  $-4y + 8 = -2(y - 4) - 2y$ ?

A.  $y = -2$

C. no solution

B.  $y = 2$

D. infinitely many solutions

6. How many solution are there to the following equation? Explain.

$$7p - 4 = -2p + 4 - 2$$

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