

**Chapter 2 Test – Study Guide**

Write the letter for the correct answer in the blank at the right of each question.

Translate each sentence into an equation.

1. Four times a number increased by 3 is  $-89$ .

A.  $-3n + 4 = -89$

C.  $4n + 3 = -89$

B.  $4n - 3 = -89$

D.  $4 + 3n = -89$

1. \_\_\_\_\_

2. Five more than three-fourths a number is  $-19$ .

F.  $-\frac{3}{4}n + 5 = -19$

H.  $\frac{3}{4}n + 5 = -19$

G.  $5n - \frac{3}{4} = -19$

I.  $5 - \frac{3}{4}n = -19$

2. \_\_\_\_\_

Solve each equation

3.  $15 + \frac{1}{4}p = 2$

A. 60

B.  $-52$

C. 52

D.  $-60$

3. \_\_\_\_\_

4.  $-0.5x = 3.6$

F.  $-72$

G.  $-7.2$

H. 7.2

I. 72

4. \_\_\_\_\_

5.  $\frac{d}{3} - 10 = -2$

A. 36

B. 24

C.  $-24$

D.  $-36$

5. \_\_\_\_\_

6.  $8 - 3m = 26$

F. 18

G. 6

H.  $-6$

I.  $-18$

6. \_\_\_\_\_

7.  $\frac{7}{9}w = 56$

A. 8

B. 9

C. 72

D. 504

7. \_\_\_\_\_

8. Guadalupe wants to buy new goggles that cost \$31.50. She has \$4.50 and plans to save \$2.25 each week. How many weeks will it take her to save the money?

F. 14 weeks

H. 11 weeks

G. 12 weeks

I. 10 weeks

8. \_\_\_\_\_

