

Simplify or solve and match with the answers to the right. **SHOW YOUR WORK OR NO CREDIT!!!**

A.)  $-4(-5)^2$

B.)  $5 + (-2)(-3)^2$

C.)  $3(-7) - (-7)(-3)$

D.)  $17 - 5(-2)^2$

E.)  $3 + (-4)^2 + (-2)^2(-2)$

F.)  $-16(-4)^2 - 15(-4) + 128$

G.)  $-3(x - 5) = 2(x - 3) - 4$

H.)  $(-12 + 12 \div 6 \cdot 3)^2$

I.)  $5(x - 4) - 38 = 7x$

J.)  $6(x - 1) + 3 = -4(-3x + 2) - 19$

Answer is :

1. -3 \_\_\_\_\_

2. -68 \_\_\_\_\_

3. 5 \_\_\_\_\_

4. -100 \_\_\_\_\_

5. 4 \_\_\_\_\_

6. -42 \_\_\_\_\_

7. 11 \_\_\_\_\_

8. -29 \_\_\_\_\_

9. -13 \_\_\_\_\_

10. 36 \_\_\_\_\_

Solve and match with the answers to the right. **SHOW YOUR WORK.**

$$A.) \frac{4}{15} = \frac{x}{6}$$

$$B.) \frac{5}{4} = \frac{3x}{2x+6}$$

$$C.) \frac{x-1}{7} = \frac{x+3}{5}$$

$$D.) \frac{9x-2}{5} = 14$$

$$E.) \frac{x+4}{x-12} = \frac{3}{9}$$

$$F.) \frac{2x-5}{5} = \frac{x}{2}$$

$$G.) \frac{5}{2} = \frac{4x}{x-12}$$

$$H.) \frac{5x-3}{-4} = 7$$

$$I.) \frac{2}{x-3} = \frac{-4}{3x+8}$$

$$J.) \frac{x}{x-1} = \frac{16}{11}$$

Answer is:

1. 15 \_\_\_\_\_

2. -0.4 \_\_\_\_\_

3. -12 \_\_\_\_\_

4. 1.6 \_\_\_\_\_

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

6. -20 \_\_\_\_\_

7. 8 \_\_\_\_\_

8. 3.2 \_\_\_\_\_

9. -10 \_\_\_\_\_

10. -13 \_\_\_\_\_