

Name: _____ Date Turned In: _____ Class: _____

Algebra I: Classwork Week of 09/28/26

Tuesday, 09/29/26

Write an expression for each of the following:

- 1) The perimeter of a square of side s inches.
- 2) A number which is x less than 6.
- 3) A number which exceeds x by 12.
- 4) The age of a man 4 years ago if he is now x years old.
- 5) A number if one-eighth of it is x .
- 6) A number if fifteen times it is x .
- 7) The sum of two numbers if one of them is y and the other is $3y - 8$.
- 8) Three consecutive integers if the smallest one is a .
- 9) If x is divided by 9 the quotient is 4.
- 10) $c + 8$ is four times c

Wednesday, 09/30/26

1) The difference between $8a$ and $5a$ is 12. Find a .

2) If $2x + 7$ is five times x , find x .

3) If $r + 9$ is seven more than $3r$, find r .

4) A number is multiplied by 3, and 5 is subtracted from the product. If the remainder is 49, find the original number.

5) Seven times a number is 12 less than thirteen times the number. Find the number.

Thursday, 10/01/26

- 1) A number is multiplied by 7, and 13 is added to the product. If the final number is 69, what was the original number?
- 2) Twelve times a number is 21 more than five times the number. Find the number.
- 3) Fred has \$7 more than Joe, and together they have \$70. How much money does each have?
- 4) The lengths of the sides of a triangle, measured in inches, are three consecutive integers, and the perimeter is 27 inches. Find the length of each side of the triangle.

- 5) John has one-third as much money as Harry, and together they have \$38. How much does each have?

Friday, 10/02/26

- 1) The number of boys in the Freshman class is 10 more than the number of girls. The total number of pupils in the class is 152. How many boys and how many girls are there?
- 2) A board whose length is 152 inches is cut into two parts. One part is 10 inches longer than the other. How long is each part?

3) The capacity of a tank is 10 gallons less than the capacity of another tank. Together they hold 152 gallons. How many gallons does each tank hold?

4) Jerry earned \$10 more than Joe. Their total earnings were \$152. How much did each earn?

5) Winken and Blinken are running in a straight line in opposite directions (towards each other). They passed each other at point A, where Nod was standing. Fifteen seconds after they passed each other they were 152 yards apart. If Winken was 10 yards farther from Nod than Blinken was, how far were each from Nod?