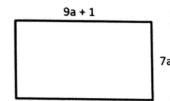
Spiral Review Day (R)

Step 1: Equations and Inequalities Review

1a. Write an equation for the perimeter of the rectangle Below when its perimeter is equal to 66 units.

1b. Solve for the value of a.



2. Solve for x. Then graph the solutions on the number

line below. -6(2x-4) < 36

(++(0)++++)

3. Ryan already has \$50 but needs a total of at least \$250 for his trip. He gets paid \$12 per day for delivering papers. What is the least number of days he must work to have enough money for his trip?

Inequality: $12d + 50 \ge 250$

Solution(s): <u>d≥17 days</u>

4. This weekend Jana spent 65 minutes doing homework. This is 5 minutes fewer than twice the amount of time that she spent doing homework last weekend. What equation represents this situation if m represents the number of minutes she did homework last weekend?

A)
$$65 - 5 = 2m$$

B)
$$5-2m=65$$

C)
$$2m + 5 = 65$$

$$(D)$$
 2m - 5 = 65

5. The cost of using Expert Internet Service is a one-time fee of \$25 plus a monthly fee of \$10. You spent a total of \$295 on this service.

a) Using m for the number of months, write an equation for this scenario. 10m + 25 = 295

b) How many months did you use this service?

-----Checkpoint-----

Step 2: Did you score below 80% on the test? If yes, work on test corrections. If no, continue to Step 3.

Test Correction Requirements:

- Must use a Test Corrections form
- Work must be shown ("No work, no credit")

------Checkpoint------

Step 3: Mixed Review

What is an equivalent expression for $\frac{2}{3} - \frac{4}{5}$?

- A) $\frac{2}{3} + \frac{4}{5}$
- (B) $\frac{2}{3} + (-\frac{4}{5})$
- C) $-\frac{2}{3} + \frac{4}{5}$
- D) $-\frac{2}{3} + (-\frac{4}{5})$

The cost of using Expert Internet Service is a one-time fee of \$25 plus a monthly fee of \$10. What is the total cost of using Expert Internet Service for 8 months?

- (A) \$105
- B) \$133
- C) \$250
- D) \$280

Use the equation below to answer the question.

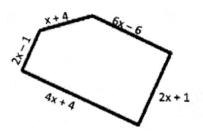
$$a+b=c$$

If a > 0 and c < 0, what must be true about b?

- A) b>0
- (B) b < 0
- C) b=0
- D) b = c

If the perimeter of the shape below is 47 units, find the value of x.

- A) 2.07
- B) 47
- (C) 3
- D) 3.27
- E) 17x



Solve the inequality. $-0.3n \le 5.4$

- A) n < 18</p>
- B) n ≤ -1.8
- C) n≥-1.8
- (D) n ≥ -18

15% of the class earned a C on the test. If 9 students earned a C, what is the total number of students in the class?

Which answer option offers the correct equation and solution?

(A)
$$0.15x = 9$$
 $x = 60$

B)
$$15(9) = x$$
 $x = 135$

C)
$$0.15(9) = x$$
 $x = 1.35$

D)
$$9x = 0.15$$
 $x = 0.02$