

ACTION

RESPONSE

Fluency



1. $2x + 4 = x + 6$

4. $2x + 4 = 3x - 4$

7. $4x + 6 = 9x + 11$

2. $3x - 7 = x + 11$

5. $5x + 7 = 8x - 23$

8. $2x + 7 = 5x + 16$

3. $2x + 3 = 7x - 2$

6. $5x - 4y = 6x + 5y$

9. $-3x + 60 = 5x - 36$

Reasoning



Spot any mistakes below and correct them.

a) $5(2x + 4) = 10(6x - 8)$

$10x + 4 = 60x - 8$

$4 = 50x - 8$

$12 = 50x$

$x = 0.24$

b) $6(4x + 5) = 2(20x + 7)$

$24x + 30 = 40x + 14$

$30 = 16x + 14$

$44 = 16x$

$x = 2.75$

Problem Solving



Find the value of x and y in the parallelogram below:



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Fluency



1. $2x + 4 = x + 6$

4. $2x + 4 = 3x - 4$

7. $4x + 6 = 9x + 11$

2. $3x - 7 = x + 11$

5. $5x + 7 = 8x - 23$

8. $2x + 7 = 5x + 16$

3. $2x + 3 = 7x - 2$

6. $5x - 4y - 6x + 5y$

9. $7x + 1 = 2x + 21$

Reasoning



Spot any mistakes below and correct them.

a) $5(2x + 4) = 10(6x - 8)$

$10x + 4 = 60x - 8$

$4 = 50x - 8$

$12 = 50x$

$x = 0.24$

b) $6(4x + 5) = 2(20x + 7)$

$24x + 30 = 40x + 14$

$30 = 16x + 14$

$44 = 16x$

$x = 2.75$

Problem Solving



Find the value of x and y in the shape below:

