

chapter 1 review #2

KEY

Solve each equation.

1) $3x - 19 = -25$

$x = -2$

2) $-\frac{2}{3}x = 8$

$x = -12$

3) $-2(5x + 8) = 54$

$x = -7$

4) $\frac{1}{8} + c = \frac{2}{3}$

$c = \frac{13}{24}$

5) $4(x + 5) = 4x + 20$

TR
infinitely many solutions

6) $6(h + 4) = -2h$

$h = -3$

7) $2(x - 3) = 2x + 8$

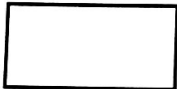
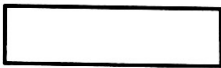
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no solution

8) $3(k + 5) = -2(3k - 6)$

$k = -\frac{1}{3}$

9) $\frac{1}{3}(x - 18) = -24$

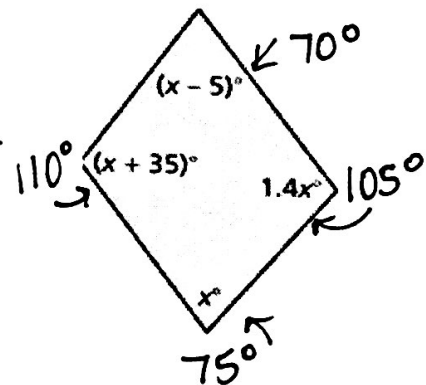
$x = -54$

10) The perimeter of, x  is equal to the area of, 2  Find x .

$x = 6$

11) Use the shape to find the value of x and the angle measurements.
A quadrilateral has a total of 360° .

$x = 75^\circ$



Write and solve an equation.

12) Mrs. Young has 44 more necklaces than Mrs. Craig. Mrs. Young has 50 necklaces. How many necklaces does Mrs. Craig have?

6 necklaces

13) George makes a \$1000 down payment for a car and then pays \$325 per month. Elaine makes a \$2500 down payment for a car and then pays \$325 per month. Is there any number of months after which both George and Elaine will have paid the same amount?

No Solution