Chapter

Test Review - Lessons 1.1/1.2

Solve the equation. Check your solution, if possible.

1.
$$y + 8 = -11$$

$$-9 \quad -6$$

$$\sqrt{9} = -19$$

2.
$$\frac{32}{-0.4} = \frac{-0.4r}{-0.4}$$

3.
$$4 + y = 9.5$$

 -4
 $y = 5.5$

4.
$$\frac{7x = 35}{2}$$

$$1 \times 5$$

5.
$$4 = -0.8n$$

 $-0.6 + 0.6$
 $N = -5$

$$6. \begin{array}{c} 6 = \frac{w}{8} \\ \boxed{ \begin{array}{c} 1 \\ 1 \end{array} } \begin{array}{c} 6 \end{array}$$

7.
$$-4.3g = 25.8$$

 $-4.3g = 4.3$
 $9 = -6$

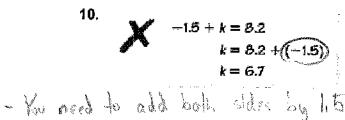
$$8\sqrt[3]{\frac{3}{2}} = \frac{9}{10}k \cdot \frac{10}{9}$$

9.
$$-7.8x = -1.56$$

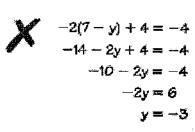
 -7.8 -7.8

Error Analysis: Describe and correct the error in solving the equation.

10.



11.



Solve the equation. Check your solution, if possible.

13.
$$19 + 4c = 17$$

14.
$$(1.13 + 1.20 + 5.4 = -10$$

 $2.3 \times + 5.4 = -10$
 $14. (1.13 + 1.20 + 5.4 = -10$
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15.
$$(\frac{2}{3}h)(\frac{1}{3}h + 11 = 8)$$

15.
$$(\frac{2}{3}h) + \frac{1}{3}h + 11 = 8$$

18.
$$5m \neq 1 = 4m + 5$$

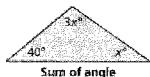
19.
$$3(5p+3) = 5(p+1)$$
 20. $\frac{2}{5}n + \frac{1}{10} = \frac{1}{2}(n+4)$

$$(5+8\nu)+12=-54 17. 21(2+\nu)+12x=44$$

$$\frac{2}{5}n + \frac{1}{10} = \frac{1}{2}(n+4)$$

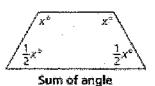
Find the value of x. Then find the angle measures of the polygon.

20.

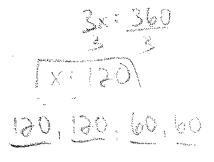


Sum of angle measures: 180°

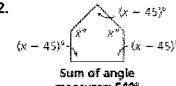
40+3x+x = 150 40+4x:180 0 v = 140 _ 3(35)=<u>1</u>US, 35 21.



measures: 360°

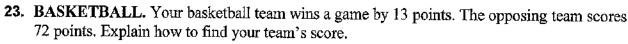


22.



X+X+3x+3x:360 X+X+X-35=x=19x+1

(X:135) 135, 135, 90, 90,90



72+13= 85. Your learn scored 85 points.

23. CYCLING. You are biking at a speed of 18 miles per hour. You are 3 miles behind your friend, who is biking at a speed of 12 miles per hour. Write and solve an equation to find the amount of time it takes for you to catch up to your friend.

18h=12h+3 66=3 66=6 (h=3)

24. JOBS. Your profit for mowing lawns this week is \$24. You are paid \$8 per hour and you paid \$40 for gas for the lawn mower. How many hours did you work this week?

8h-40=74 190 -190 h=8 hours.

25. MOVIES. One movie club charges a \$100 membership fee and \$10 for each movie. Another club charges no membership fee but movies cost \$15 each. Write and solve and equation to find the number of movies you need to buy for the cost of each movie club to be the same.

Modic (100) (100+10m) (15m) (m-20 movies) (5m) (15m) (100+10m) (m-20 movies) (5m) (m-20 movies) (15m) (m-20 movies) (m-20 movies

26. MUSIC. It costs \$100 to be a member of a music club. A member of the club pays \$20 per music lesson. A nonmember pay \$30 per music lesson. How many music lessons must a member and a nonmember take so the cost for each is the same?

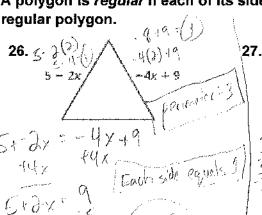
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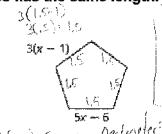
100 + 30 m = 30 m - 30 m = 30 m - 100 = 10 m

Normember 130m

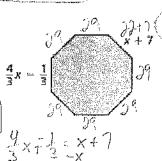
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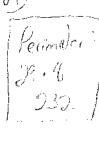
Big Ideas Math Blue Assessment Book A polygon is regular if each of its sides has the same length. Find the perimeter of the

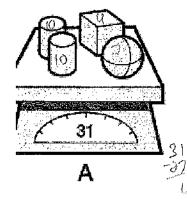


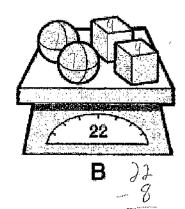


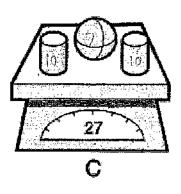
28.











Find the weight of each block.