



**DISTANCE LEARNING PACKET**

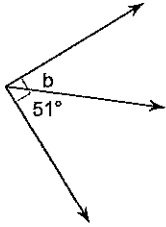
**7<sup>TH</sup> GRADE**

**MATH**

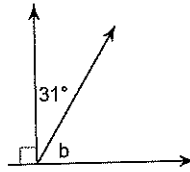
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Find the measure of angle b.

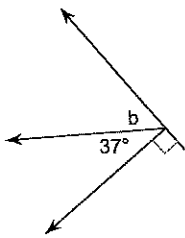
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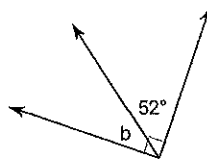
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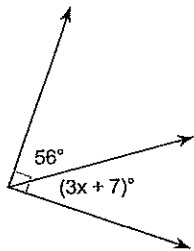


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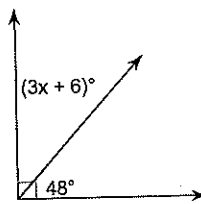


Find the value of x.

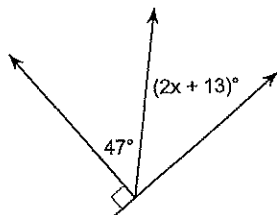
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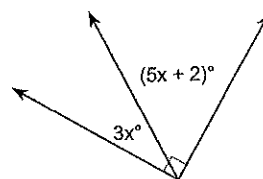
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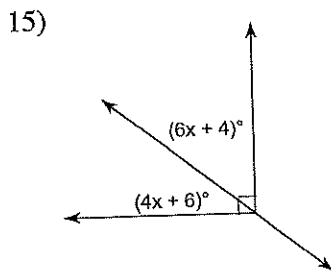
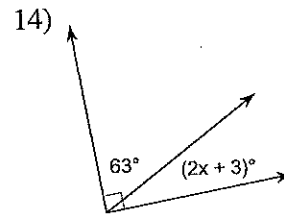
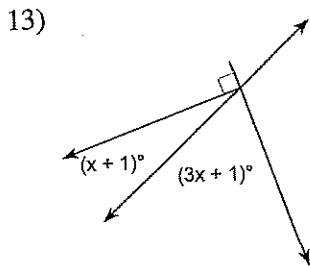
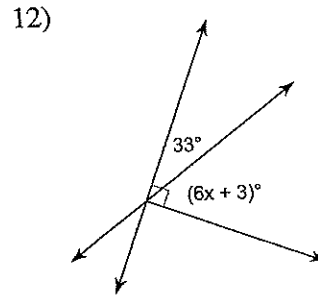
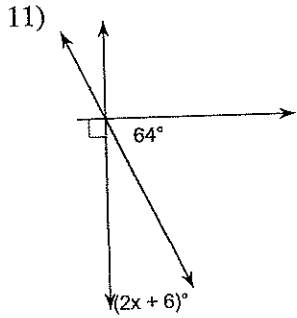
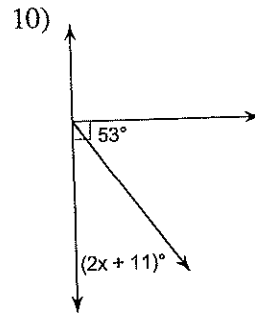
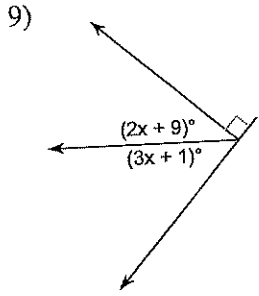


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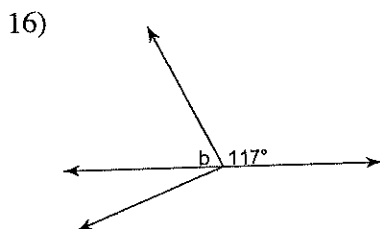


8)





**Find the measure of angle b.**

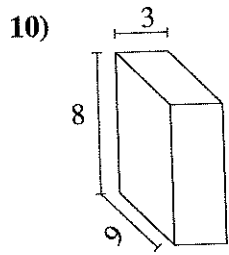
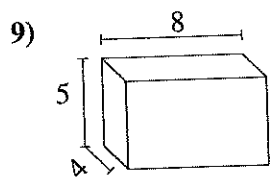
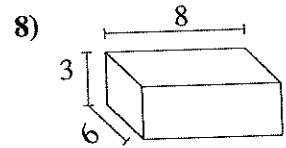
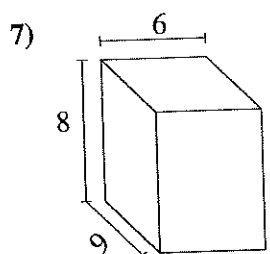
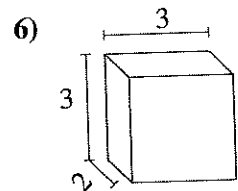
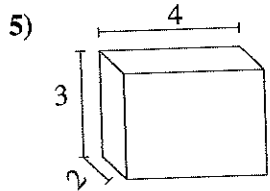
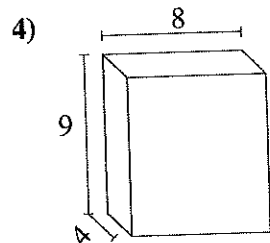
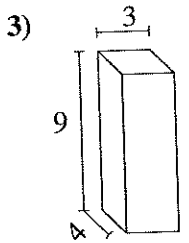
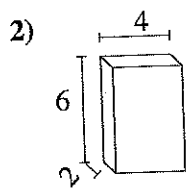
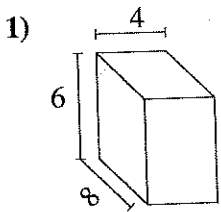




### Finding Volume Of Rectangular Prisms

Name: \_\_\_\_\_

Find the volume of each of the rectangular prisms. Measured in cm (not to scale).



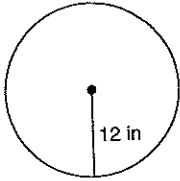
### Answers

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_

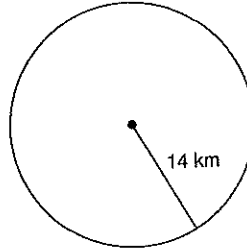
**Circumference and Area of Circles**

**Find the area of each. Use your calculator's value of  $\pi$ . Round your answer to the nearest tenth.**

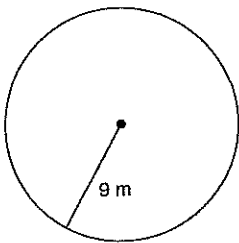
1)



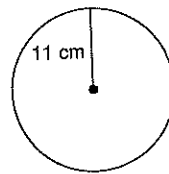
2)



3)



4)



5) radius = 2.6 in

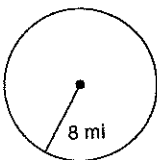
6) radius = 34.1 in

7) radius = 13.2 km

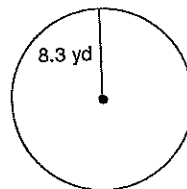
8) radius = 29.9 km

**Find the circumference of each circle. Use your calculator's value of  $\pi$ . Round your answer to the nearest tenth.**

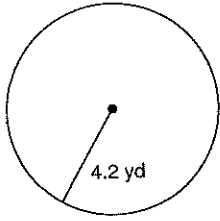
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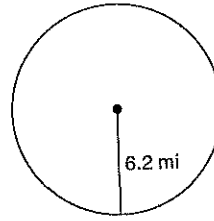
10)



11)



12)



13) radius = 5.2 ft

14) radius = 11.1 ft

15) radius = 9.5 in

16) radius = 9.3 in

**Find the radius of each circle. Use your calculator's value of  $\pi$ . Round your answer to the nearest tenth.**

17) circumference = 62.8 mi

18) circumference = 69.1 yd

19) circumference = 12.6 yd

20) circumference = 25.1 ft

**Find the diameter of each circle. Use your calculator's value of  $\pi$ . Round your answer to the nearest tenth.**

21) area = 201.1 in<sup>2</sup>

22) area = 78.5 ft<sup>2</sup>

**Find the circumference of each circle.**

23) area =  $64\pi$  mi<sup>2</sup>

24) area =  $16\pi$  in<sup>2</sup>

**Find the area of each.**

25) circumference =  $6\pi$  yd

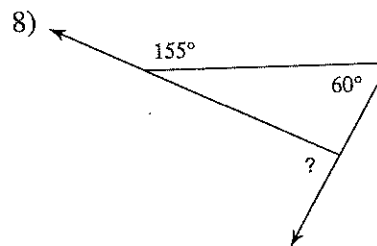
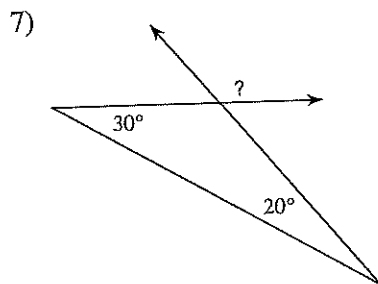
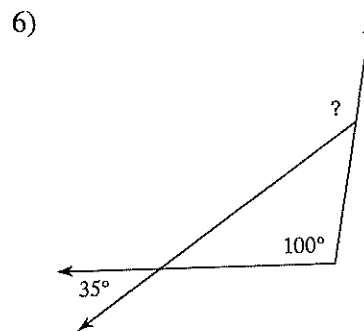
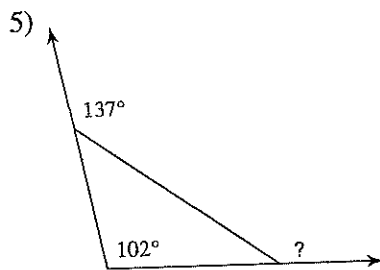
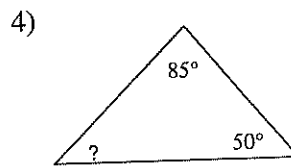
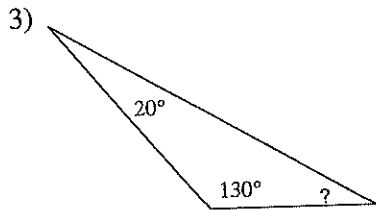
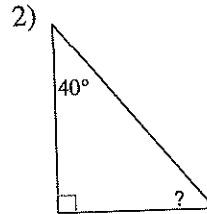
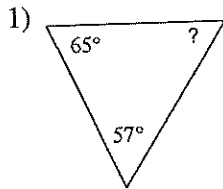
26) circumference =  $22\pi$  in

**Critical thinking question:**

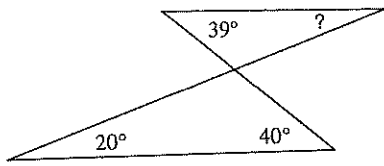
27) Find the radius of a circle so that its area and circumference have the same value.

### Angles in a Triangle

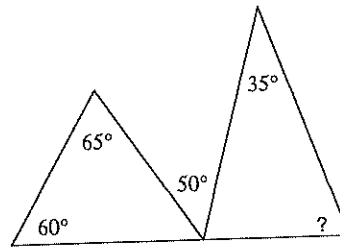
Find the measure of each angle indicated.



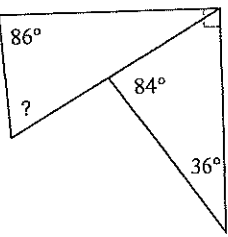
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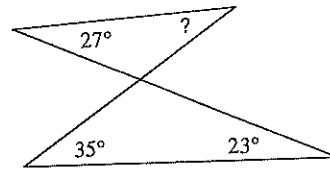
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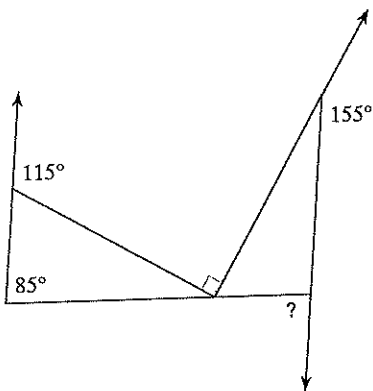
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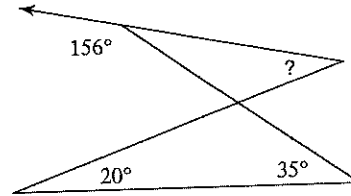
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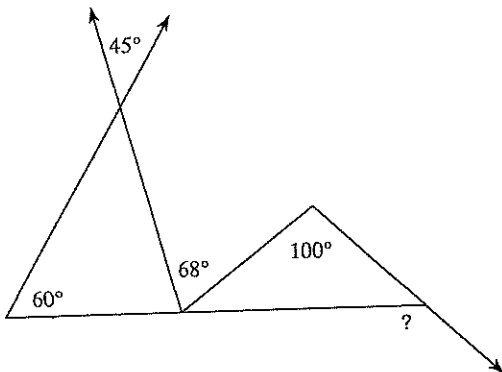
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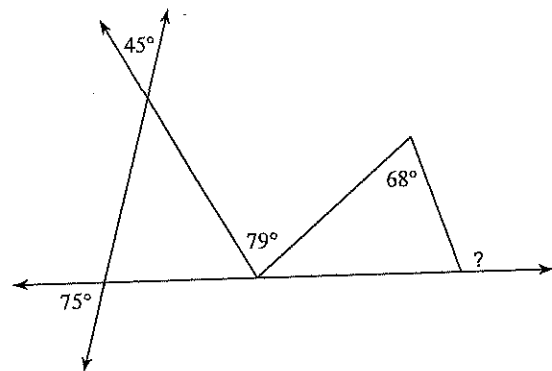
14)



15)



16)





7<sup>th</sup>-Day 15

Kuta Software - Infinite Pre-Algebra

Name \_\_\_\_\_

### Fractions, Decimals, and Percents

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write each as a decimal. Round to the thousandths place.**

1) 90%

2) 30%

3) 115.9%

4) 9%

5) 7%

6) 65%

7) 0.3%

8) 445%

**Write each as a percent. Round to the nearest tenth of a percent.**

9) 0.452

10) 0.006

11) 0.002

12) 0.05

13) 4.78

14) 0.1

15) 3.63

16) 0.03

7th - Day 15

Write each as a fraction.

17) 25%

18) 70%

19) 93%

20) 58%

21) 50%

22)  $66.\overline{6}\%$

23) 20%

24) 80%

25) 71%

26) 30%

Write each as a percent. Use repeating decimals when necessary.

27)  $\frac{1}{2}$

28)  $\frac{1}{8}$

29)  $\frac{2}{3}$

30)  $\frac{1}{100}$

31)  $2\frac{1}{10}$

32)  $\frac{3}{8}$

33)  $\frac{1}{10}$

34)  $\frac{87}{100}$

**Multiplying Integers****Find each product.**

1)  $6 \times -4$

2)  $4 \times 2$

3)  $3 \times -4$

4)  $-6 \times 4$

5)  $5 \times -4$

6)  $-3 \times 4$

7)  $-5 \times 6$

8)  $-2 \times -1$

9)  $-8 \times -2$

10)  $11 \times 12$

11)  $-7 \times 5$

12)  $9 \times -6$

13)  $10 \times 5$

14)  $9 \times 2$

15)  $-12 \times 7$

16)  $8 \times -12$

17)  $9 \times 10 \times 6$

18)  $-6 \times -10 \times -8$

19)  $7 \times 9 \times 7$

20)  $6 \times 6 \times -2$

21)  $-5 \times -4 \times -10$

22)  $9 \times 9 \times -5$

23)  $8 \times 3 \times 8$

24)  $7 \times 5 \times -5$

7<sup>th</sup> - Day 17

Kuta Software - Infinite Pre-Algebra

Name \_\_\_\_\_

### Dividing Integers

Date \_\_\_\_\_ Period \_\_\_\_\_

Find each quotient.

1)  $35 \div -5$

2)  $-8 \div 4$

3)  $-24 \div 4$

4)  $-8 \div -2$

5)  $8 \div 4$

6)  $-24 \div 8$

7)  $-21 \div 7$

8)  $6 \div -6$

9)  $-132 \div -11$

10)  $-60 \div -15$

11)  $-52 \div -4$

12)  $60 \div 12$

7th - Day 17

13)  $6 \div -1$

14)  $75 \div 15$

15)  $65 \div -13$

16)  $12 \div 4$

17)  $-168 \div -12$

18)  $-8 \div 2$

19)  $\frac{-105}{7}$

20)  $\frac{-4}{-1}$

21)  $\frac{-10}{-2}$

22)  $\frac{-144}{12}$

23)  $\frac{24}{-12}$

24)  $\frac{60}{-15}$

7<sup>th</sup> - Day 18

Kuta Software - Infinite Pre-Algebra

Name \_\_\_\_\_

### The Distributive Property

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

1)  $6(1 - 5m)$

2)  $-2(1 - 5v)$

3)  $3(4 + 3r)$

4)  $3(6r + 8)$

5)  $4(8n + 2)$

6)  $-(-2 - n)$

7)  $-6(7k + 11)$

8)  $-3(7n + 1)$

9)  $-6(1 + 11b)$

10)  $-10(a - 5)$

11)  $-3(1 + 2v)$

12)  $-4(3x + 2)$

13)  $(3 - 7k) \cdot -2$

14)  $-20(8x + 20)$

15)  $(7 + 19b) \cdot -15$

16)  $(x + 1) \cdot 14$

7<sup>th</sup> - Day 19

Kuta Software - Infinite Pre-Algebra

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

### Proportion Word Problems

Answer each question and round your answer to the nearest whole number.

- 1) If you can buy one can of pineapple chunks for \$2 then how many can you buy with \$10?
- 2) One jar of crushed ginger costs \$2. How many jars can you buy for \$4?
- 3) One cantaloupe costs \$2. How many cantaloupes can you buy for \$6?
- 4) One package of blueberries costs \$3. How many packages of blueberries can you buy for \$9?
- 5) Shawna reduced the size of a rectangle to a height of 2 in. What is the new width if it was originally 24 in wide and 12 in tall?
- 6) Ming was planning a trip to Western Samoa. Before going, she did some research and learned that the exchange rate is 6 Tala for \$2. How many Tala would she get if she exchanged \$6?
- 7) Jasmine bought 32 kiwi fruit for \$16. How many kiwi can Lisa buy if she has \$4?
- 8) If you can buy four bulbs of elephant garlic for \$8 then how many can you buy with \$32?
- 9) One bunch of seedlees black grapes costs \$2. How many bunches can you buy for \$20?
- 10) The money used in Jordan is called the Dinar. The exchange rate is \$3 to 2 Dinars. Find how many dollars you would receive if you exchanged 22 Dinars.

7th - Day 19

- 11) Gabriella bought three cantaloupes for \$7. How many cantaloupes can Shayna buy if she has \$21?
- 12) Jenny was planning a trip to the United Arab Emirates. Before going, she did some research and learned that the exchange rate is 4 Dirhams for every \$1. How many Dirhams would she get if she exchanged \$5?
- 13) Castel bought four bunches of fennel for \$9. How many bunches of fennel can Mofor buy if he has \$18?
- 14) If you can buy one fruit basket for \$30 then how many can you buy with \$60?

**Answer each question. Round your answer to the nearest tenth. Round dollar amounts to the nearest cent.**

- 15) Asanji took a trip to Mexico. Upon leaving he decided to convert all of his Pesos back into dollars. How many dollars did he receive if he exchanged 42.7 Pesos at a rate of  $\$5.30 = 11.1$  Pesos?
- 16) The currency in Argentina is the Peso. The exchange rate is approximately  $\$3 = 1$  Peso. At this rate, how many Pesos would you get if you exchanged \$121.10?
- 17) Mary reduced the size of a painting to a width of 3.3 in. What is the new height if it was originally 32.5 in tall and 42.9 in wide?
- 18) Molly bought two heads of cabbage for \$1.80. How many heads of cabbage can Willie buy if he has \$28.80?



7<sup>th</sup> - Day 20

Kuta Software - Infinite Pre-Algebra

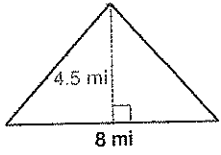
Name \_\_\_\_\_

### Area of Triangles

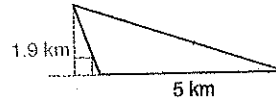
Date \_\_\_\_\_ Period \_\_\_\_\_

Find the area of each.

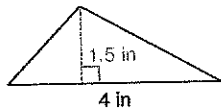
1)



2)



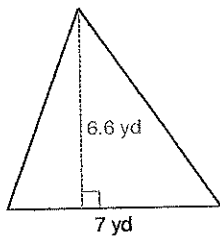
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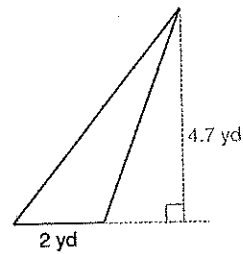
4)



5)



6)



7<sup>th</sup> - Day 20

