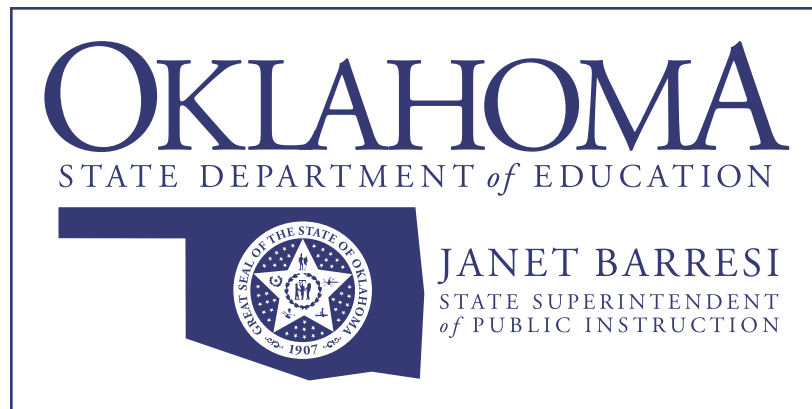


Oklahoma School Testing Program



Oklahoma Core Curriculum Tests

2011–2012 Released Items

End-of-Instruction
ACE Geometry

Oklahoma State Department of Education
Oklahoma City, Oklahoma

PEARSON

Section 1

Section 1

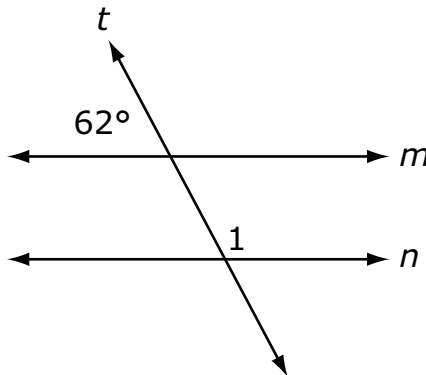
Directions

Read each question and choose the best answer.

1 Stephen, Jon, and Pablo finished the 200-meter dash in the first three places. If Jon finished before Stephen, and Stephen did not finish 3rd, in which order did Stephen, Jon, and Pablo finish? 10700091_1

- A Jon: 1st, Stephen: 2nd, Pablo: 3rd
- B Jon: 1st, Pablo: 2nd, Stephen: 3rd
- C Stephen: 1st, Pablo: 2nd, Jon: 3rd
- D Stephen: 1st, Jon: 2nd, Pablo: 3rd

2 Transversal t cuts parallel lines m and n . 101108_1



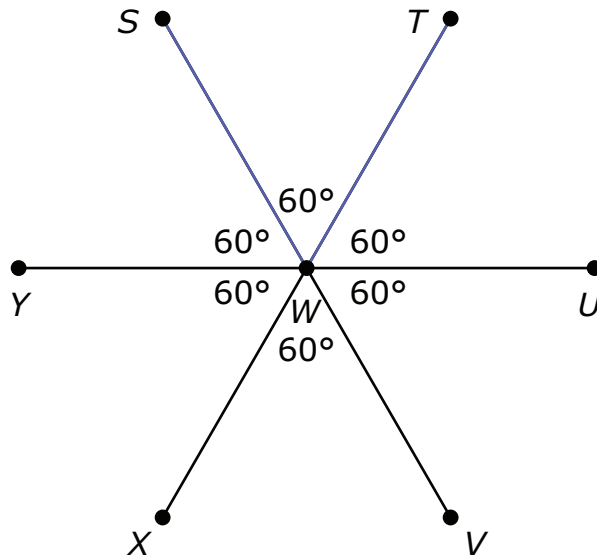
What is the measure of $\angle 1$?

- F 118°
- G 121°
- H 152°
- J 162°

Section 1

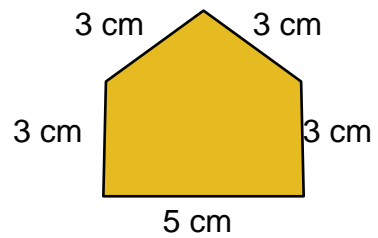
4

100029_4



Which angle is vertical to $\angle SWT$?

- F $\angle SWY$
- G $\angle TWU$
- H $\angle YWX$
- J $\angle XWV$



The perimeter of a square, in centimeters, is equal to the circumference of a circle in centimeters. The radius of the circle is 3 centimeters. To the nearest square centimeter, what is the area of the square? (Use 3.14 for

1100043_3

S)

$$C = 2 \pi r$$

- F 6 cm^2
- G 19 cm^2
- H 22 cm^2
- J 50 cm^2

Section 1

7 If $\triangle RST$ and $\triangle XYZ$ are similar scalene triangles, which of the following statements is not true?

11000050_2

A $\angle R \cong \angle X$

B $\angle T \cong \angle Y$

C $\frac{RS}{XY} = \frac{ST}{YZ}$

D $\frac{RT}{ST} = \frac{XZ}{YZ}$

8 The ratio of the perimeter of rectangle P to the perimeter of rectangle Q is 2:5. The area of rectangle P is 12 square feet. What is the area of rectangle Q?

10900018_4

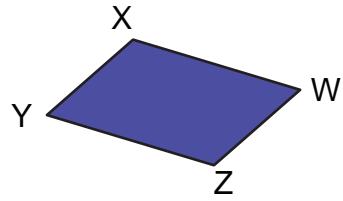
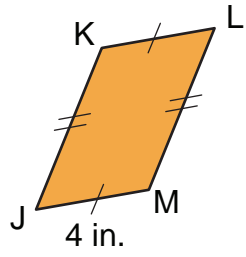
F 1.92 square feet

G 4.80 square feet

H 30.00 square feet

J 75.00 square feet

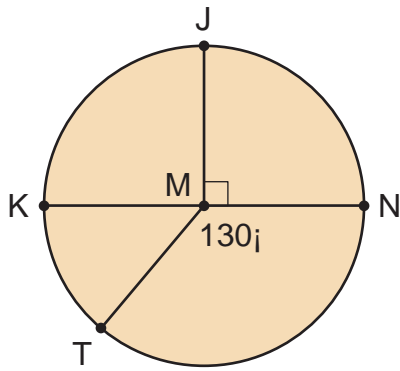
9



\overline{WX} ?

10

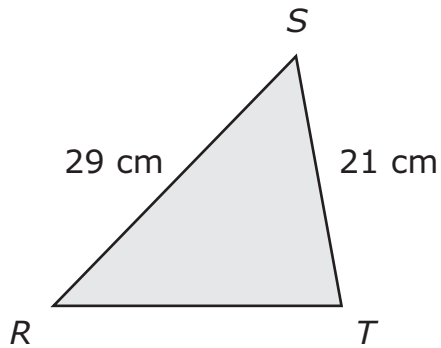
10700508_3



\overline{KN}

12 Triangle RST is an acute triangle.

11000100_4

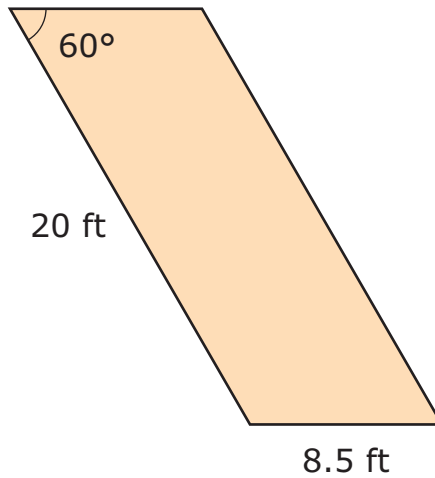


Which measurement could be the length of \overline{RT} ?

- F 12 cm
- G 15 cm
- H 20 cm
- J 24 cm

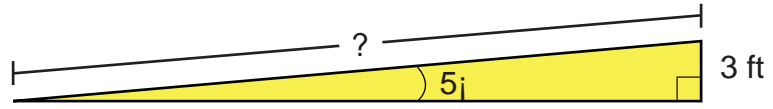
Section 1

- 13 The diagram shows the dimensions of a parking space in the shape of a parallelogram. 11000112_3



What is the approximate area of the parking space?

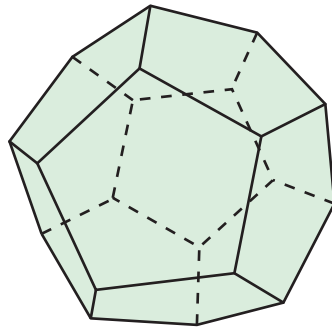
- A 62.6 square feet
- B 120.2 square feet
- C 147.2 square feet
- D 170.0 square feet



$\sin 5^\circ$	0.087
$\cos 5^\circ$	0.996
$\tan 5^\circ$	0.087

15

11000148_2



Which type of polyhedron is shown?

- A** decahedron
- B** dodecahedron
- C** hexahedron
- D** pentahedron

L

$$V = \frac{1}{3} r^2 h$$

$$36 \text{ Ucm}^3$$

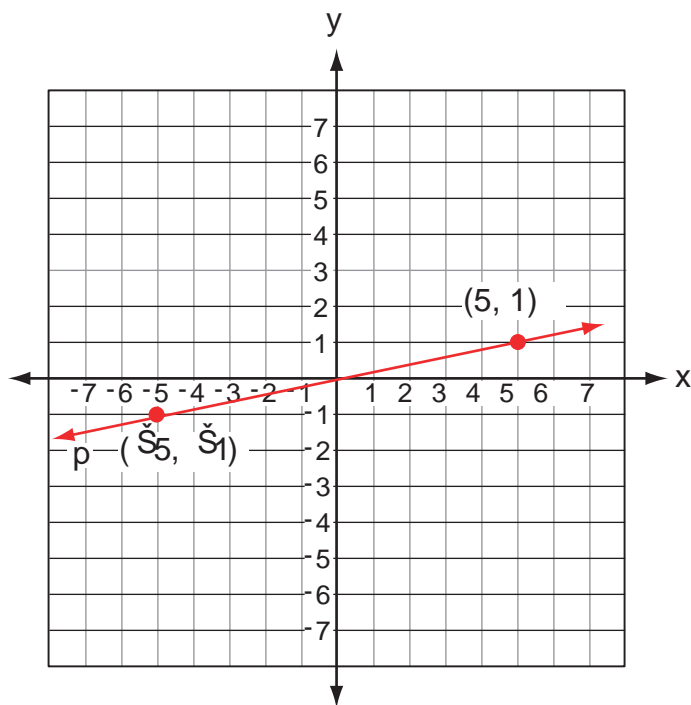
$$54 \text{ Ucm}^3$$

$$108 \text{ Ucm}^3$$

$$162 \text{ Ucm}^3$$

Two similar regular polyhedra have surface areas and 16 cm^2 and 64 cm^2 .
What is the ratio of their edge lengths?

- A 1:2
- B 1:4
- C 1:8
- D 1:16

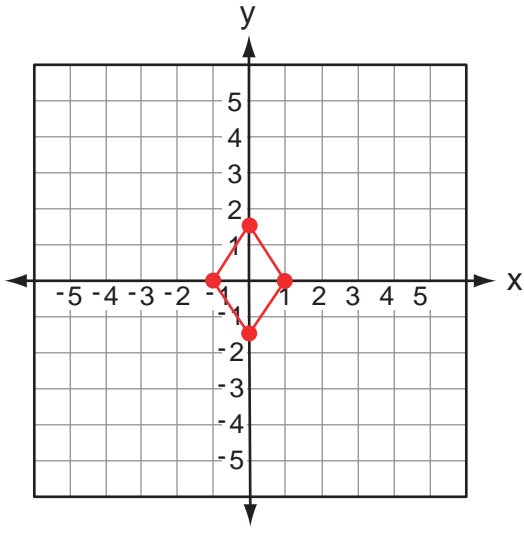


$$y = 5x - 1$$

$$y = 5x + 1$$

$$y = \frac{1}{5}x - 3$$

$$y = \frac{1}{5}x + 2$$





STOP

END OF SECTION 1

