

10/11/20

pg 392-393 L3

Start 1:39 - 2:14

- 1  $c = 11.3 \text{ in}$   $8^2 + b^2 = c^2$   $c^2 = 128$   $\sqrt{128} = 11.3 = c$
- 2  $c = 15 \text{ yd}$   $a^2 + b^2 = c^2$   $c^2 = 225$   $\sqrt{225} = 15 = c$
- 3  $c = 2.5 \text{ cm}$   $1.5^2 + 2^2 = c^2$   $c^2 = 6.25$   $\sqrt{6.25} = 2.5 = c$
- 4  $a = 5.2 \text{ m}$   $a^2 + b^2 = 6^2$   $a + b = 36$   $a^2 = 27$   $\sqrt{27} = 5.2 = a$
- 5  $b = 8 \text{ mm}$   $c^2 + b^2 = 10^2$   $36 + b^2 = 100$   $b^2 = 64$   $\sqrt{64} = 8 = b$
- 6  $a = 17.3 \text{ ft}$   $a^2 + b^2 = 19^2$   $a^2 + 25 = 324$   $a^2 = 299$   $\sqrt{299} = 17.3 = a$
- 7  $c = 12.2 \text{ cm}$   $7^2 + b^2 = c^2$   $c^2 = 149$   $\sqrt{149} = 12.2 = c$
- 8  $b = 26.0 \text{ in}$   $13^2 + b^2 = 30^2$   $225 + b^2 = 900$   $b^2 = 675$   $\sqrt{675} = 26.0 = b$
- 9  $c = 6.4 \text{ km}$   $a^2 + b^2 = c^2$   $c^2 = 41$   $\sqrt{41} = 6.4 = c$
- 10  $B. 6.7$   $3^2 + 6^2 = c^2$   $c^2 = 45$   $\sqrt{45} = 6.7 = c$
- 11  $C. 30$   $18^2 + 24^2 = c^2$   $c^2 = 900$   $\sqrt{900} = 30 = c$
- 12  $D. 12.1$   $5^2 + 11^2 = c^2$   $c^2 = 146$   $\sqrt{146} = 12.1 = c$
- 13  $A. 36$   $15^2 + b^2 = 39^2$   $225 + b^2 = 1521$   $b^2 = 1296$   
 $\sqrt{1296} = 36$

10/1/20

Pg 388 - 389 L1

Start 1:07 - 1:26

1 rectangle, square.

2 parallelogram, rectangle, square, rhombus.

3 trapezoid

4 rectangles, Square  
5 none?

6 square, rhombus, parallelogram, rectangle

7 rhombus, square

8 rectangle, square, trapezoid, rhombus, parallelogram

9 Trapezoid

10 Square

$$3h + 20^\circ + h + 90 + 90 = 360 = 4h + 200 = 360 \quad 4h - 160 \quad h = 40$$

11 C       $(3h + 20^\circ) + h + 90 + 90 = 360 = 4h + 200 = 360$

12 B      EF is parallel to GH

B C

14 C

10/1/20 Pg 394-395 L4

Start 2:16 - 2:43

1 area: 39  $\frac{1}{2} \cdot 13 \cdot 6 = 39$

Perimeter: 30.8  $13 + 10 + 78 = 30.8$

2 area: 16  $4 \cdot 4 = 16$

Perimeter: 16  $4 + 4 + 4 + 4 = 16$

3 area: 640  $32 \cdot 20 = 640$

Perimeter: 104  $32 + 32 + 20 + 20 = 104$

4 area: 29.6  $8 \cdot 3.7 = 29.6$

Perimeter: 24.6  $4.3 + 4.3 + 8 + 8 = 24.6$

5 area: 616  $\frac{1}{2} \cdot 22(56) = 616$

Perimeter: 109  $14 + 24 + 29 + 42 = 109$

6 area: 38  $4 \cdot 9.5 = 38$

Perimeter: 32  $12 + 12 + 4 + 4 = 32$

7 C. 56  $\frac{1}{2} \cdot 14 \cdot 8 = 56$

8 C. 54  $9 \cdot 6 = 54$

9 C. 324  $24 \cdot 18 = 432 \quad 12 \cdot 9 = 108$

$432 - 108 = 324$

10 B. 24  $6 \cdot 4 = 24$

10/1/20

Pg 396-397 L5

Start 3:08 - 3:21

1 Circumference:  $62.8 \text{ in}$   $20\pi = 62.8$   
Area:  $314.2 \text{ in}^2$   $\pi \cdot 10^2 = 314.2$

2 Circumference:  $12.6 \text{ cm}$   $4\pi = 12.6$   
Area:  $12.6 \text{ cm}^2$   $\pi \cdot \frac{9}{4} = 12.6$

3 Circumference:  $25.1 \text{ m}$   $8\pi = 25.1$   
Area:  $50.3 \text{ m}^2$   $\pi \cdot 4^2 = 50.3$

4 C. 38  $12\pi = 38$

5 B.  $3.14 \cdot 6^2$   $A = \pi r^2$  or B

6 B. 13.0  $6.5 \cdot 2 = 13$

7 C. 19  $6\pi = 19$

10/1/20

Pg 390-391 L2

$$\text{Start } 1.07 - 1.38$$

1 equilateral, acute

2 Scalene, obtuse

3 Isosceles, acute

$$4 64^\circ$$

$$72 + 44 = 116 \quad 116 + 64 = 180$$

$$5 45^\circ$$

$$45 + 90 = 135 \quad 135 + 45 = 180$$

$$6 97^\circ$$

$$27 + 56 = 83 \quad 83 + 97 = 180$$

$$7 C ?$$

$$8 C$$

$$9 C \quad 38 + 56 = 94 \quad 94 + 86 = 180$$