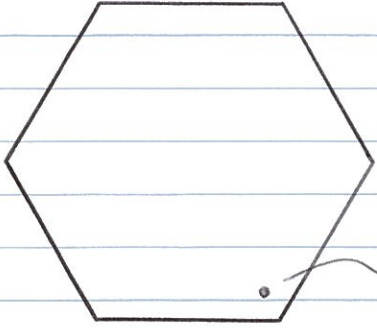


1.



All interior

$$\angle s (n-2)180$$

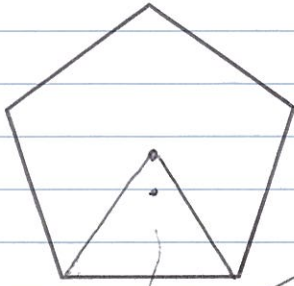
$$(6-2)180 = 720^\circ$$

one interior  $\angle$

$$\frac{(n-2)180}{n} = \frac{(6-2)180}{6} = 120^\circ$$

(c)

2.

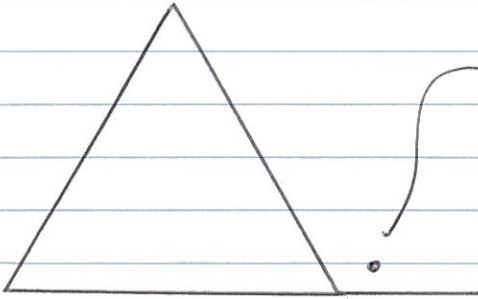


$$\text{Central } \angle = 360/n$$

$$360/5 = 72^\circ$$

(a)

3.



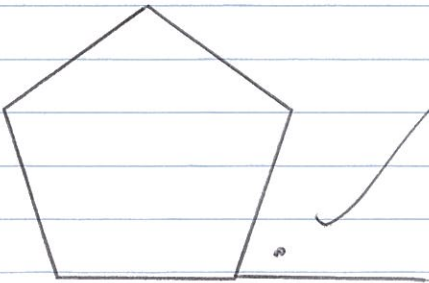
Exterior  $\angle$

$$360/n$$

$$360/3 = 120^\circ$$

(c)

4.



$$360/n$$

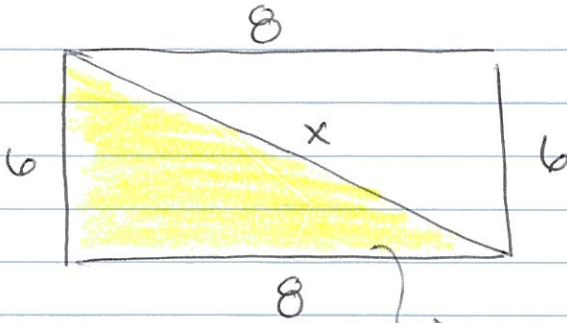
$$360/5 = 72^\circ$$

(a)

5. c

6. b

7.



$$\rightarrow \text{rt } \Delta \quad x^2 = 6^2 + 8^2$$

$$x^2 = 100$$

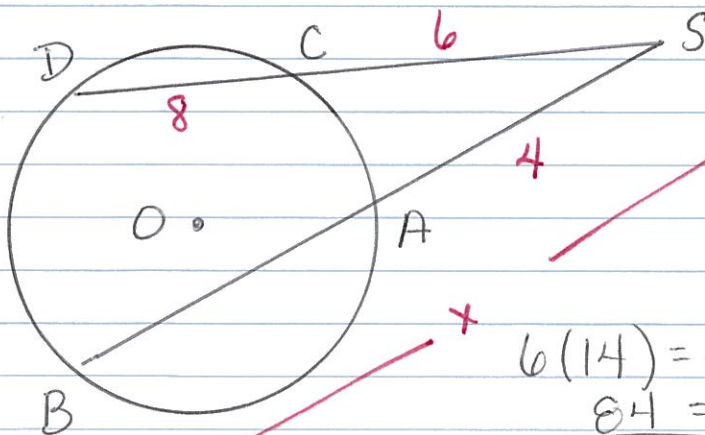
$$x = \sqrt{100}$$
$$\boxed{x = 10} \quad (d)$$

8.

$$B(2, 3) \xrightarrow{\times 1.5} \boxed{B'(3, 4.5)}$$

(d)

9.



$$6(14) = 4x$$

$$84 = 4x$$

$$\boxed{21 = x} \quad (c)$$

11.  $\frac{2}{4} = \frac{3x-10}{x+5}$

$$2(x+5) = 4(3x-10)$$

$$2x+10 = 12x-40$$

$$50 = 10x$$

$$5 = x$$

Perimeter  
Small

$$18 \quad 3x-10$$

$$3(5)-10$$

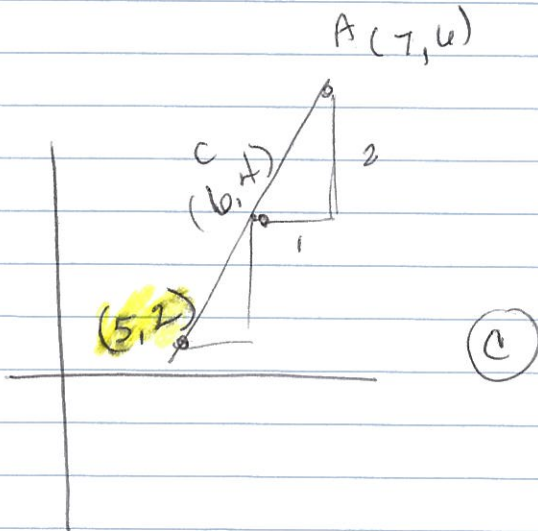
$$(5)$$

$$(a)$$

12.

d

13.



14.

$$x, 5, 11$$

$$5, 11, x$$

$$x+5 > 11$$

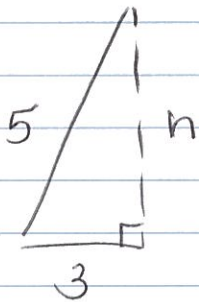
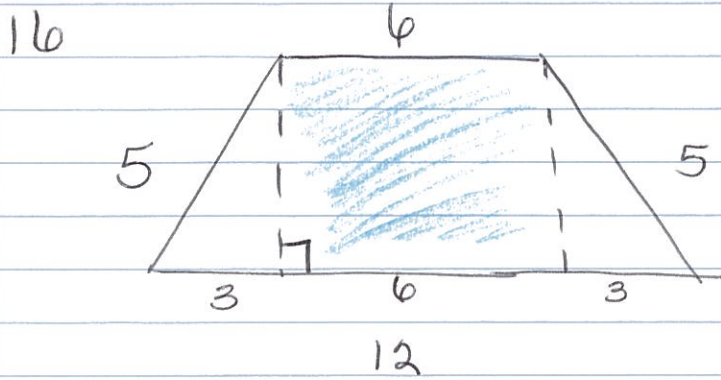
$$5+11 > x$$

$$x > 6$$

$$16 > x$$

$$(c)$$

15. X omit



$$h=4$$

(d)

17. X omit

18. c

19. b

20. c

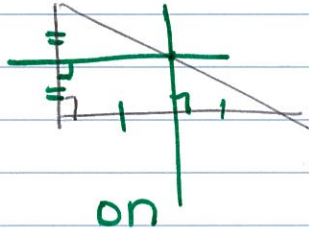
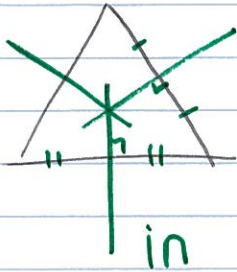
21. b

22. b



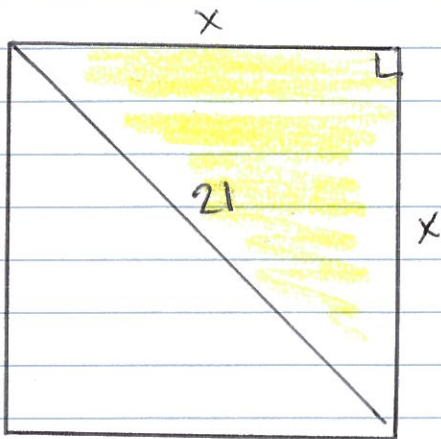
23. omit

24.



Right (a)

25.



45-45-90  
rule

$$x = \frac{21}{\sqrt{2}} \text{ or } 10.5\sqrt{2}$$

use  
Pythag thm

$$x^2 + x^2 = 21^2$$

$$2x^2 = 441$$

$$x^2 = \frac{441}{2}$$

$$x = \frac{21}{\sqrt{2}}\sqrt{2} = 10.5\sqrt{2}$$

26. omit

27. omit

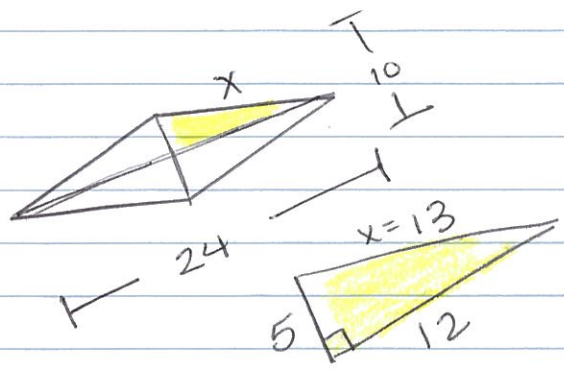
28.  $B(2,3) \xrightarrow{\times 3} B'(6,9)$

(d)

29. d

30. a

31



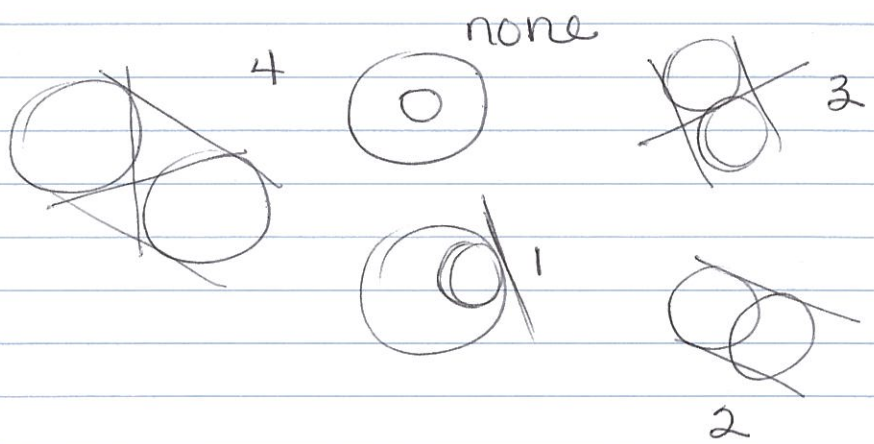
$$P = 13 \times 4 = 52u$$

(a)

32. c

33. omit

34

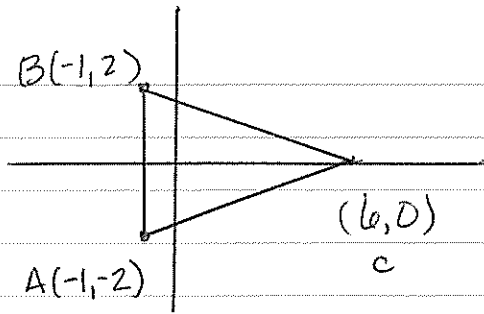


35. c

36. b

37. a

38.



isosceles

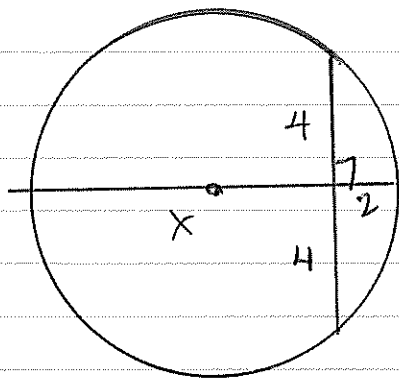
$\angle A \cong \angle B$

base  $AC$

(a)

39. d

40.



$$2x = 4 \cdot 4$$

$$2x = 16$$

$$\boxed{x = 8}$$

(b)

41 omit

42 omit