

Boot Camp #2 Take Home and Check

1) Adjacent angles are two angles in the same plane with a common _____ and a common _____.

B/C

1) vertex
side

2) A _____ is a pair of adjacent angles that form a line.

B/C

2) Linear ^{pair} ~~plane~~

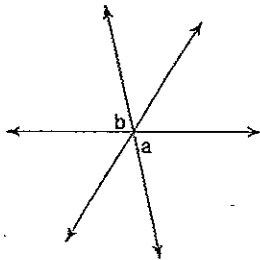
3) Complementary angles are two angles whose measures sum to _____.

A

3) 90°

4) What type of angle pair are angles a and b? Name one thing you know about this type of angle pair.

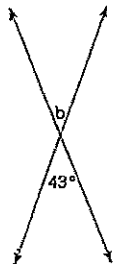
A/B/C



4) vertical angles
• equal or congruent

5) What is the measure of angle b? How do you know this?

A/B/C

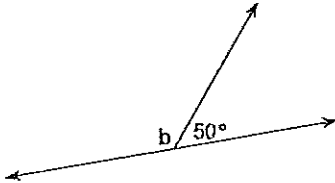


5) 43°
vertical \angle 's are \cong

A/B/C

6) The two angles below are: (circle all that are true)

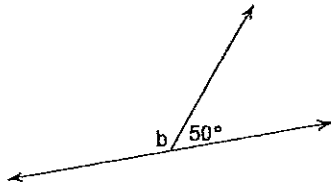
- a) complementary
- b) supplementary
- c) adjacent
- d) a linear pair



- b) supplementary
- c) adjacent
- d) a linear pair

7) What is the measure of angle b? Show how you got your answer.

A/B/C



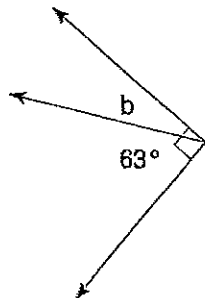
7) 130°

$$180 - 50 = 130^\circ$$

8)

A/B/C

What type of angle pair are these two angles?
Give two words to describe them.

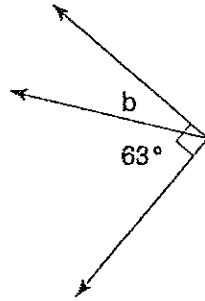


- 8) complementary
- adjacent
- equal 90°

A/B/C

9)

What is the measure of angle b? Show how you got your answer.

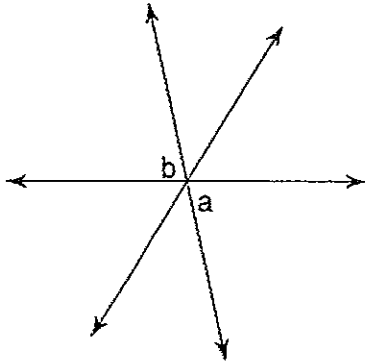


$$9) m\angle b = 27^\circ$$

$$90 - 63 = 27$$

10) What type of angle pair are angles a and b?

A/B/C



10) vertical angles

11)

B/C

- a) What is the supplement of a 50° angle?
- b) What is the complement of a 38° angle?
- c) Two _____ angles cannot be the supplement of each other.
- d) Two right angles are always _____.
- e) Two obtuse angles cannot be _____.

11)

a) 130°

b) 52°

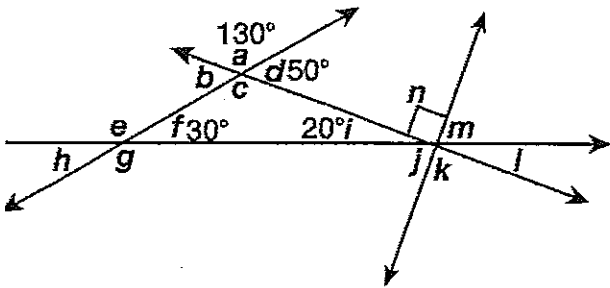
c) acute

d) supplementary

e) complementary

12) Use the diagram below:

- a) What is the measure of angle b?
- b) What is the measure of angle c?
- c) What is the measure of angle n?
- d) What is the measure of angle m?
- e) What is the measure of angle h?
- f) What is the measure of angle e?
- g) What is the measure of angle g?
- h) Name a pair of supplementary angles.
- i) Name a pair of vertical angles.



12)

- a) 50°
- b) 130°
- c) 90°
- d) ~~90°~~ 70°
- e) 30°
- f) 150°
- g) 150°
- h)

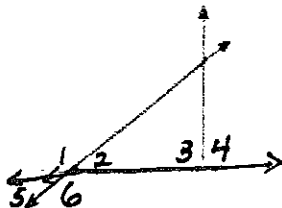
a, d	e, f	n, m
c, d	e, h	n, j
a, b	h, g	all
b, c	g, f	J, K
- i)

a, c	n, k
b, d	m, j
h, f	i, l
e, g	

13) Name a pair of vertical angles.

14) Name a linear pair.

15) Name an angle adjacent to angle 4.



13) 1, 6
2, 5

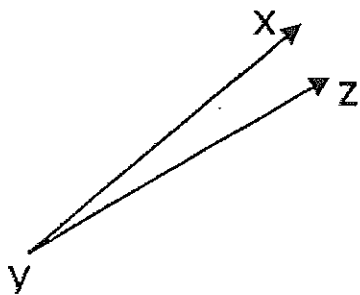
14) 1, 2
5, 6
3, 4

15) $\angle 3$

A/B/C

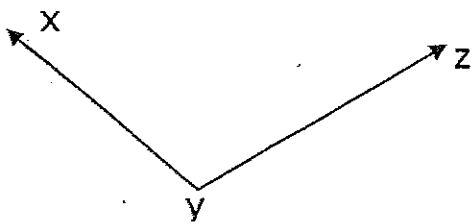
What is the measure of the following angles? Tell what type of angle each is (acute, obtuse, right, straight)

16)



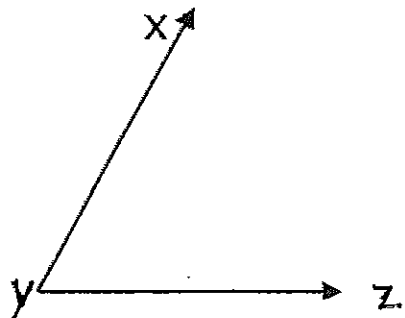
16) acute
 11°

17)



17) obtuse
 110°

18)



18) acute
 63°

19)



19) Obtuse
 128°

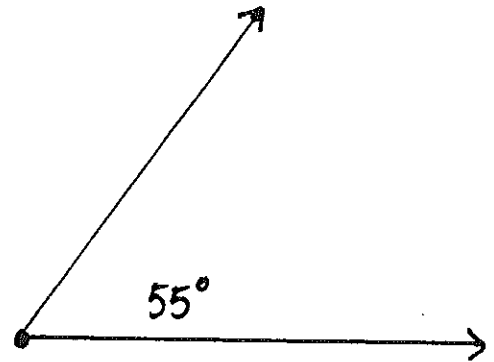
20)



20) obtuse
 140°

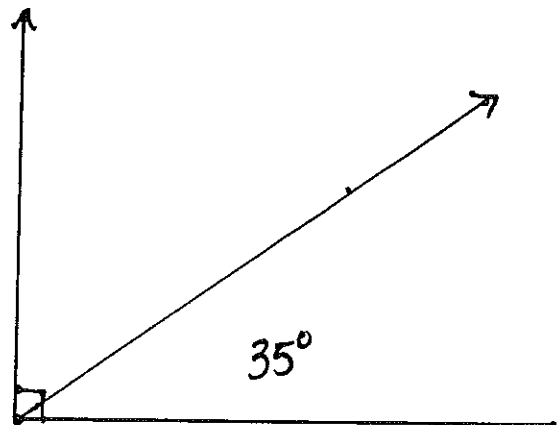
21) Sketch an angle that is 55° .

B/C



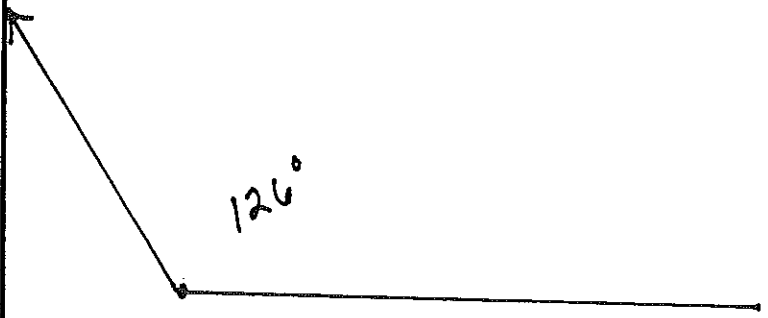
22) Sketch a pair of complementary adjacent angles that have measures of 35° and 55° .

ACC, B, C



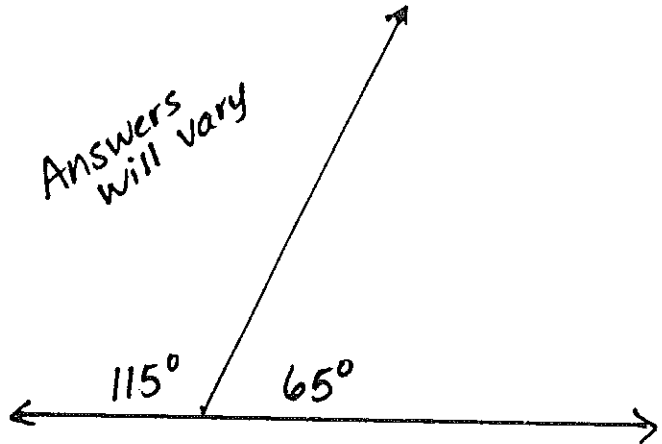
A

22) Sketch an angle that is 126° .



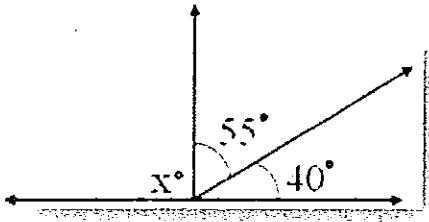
23) Sketch two angles so that they are adjacent. Give their measurements.

Acc, B/C



Acc

24) What is the measure of angle x?



$$24) \quad 55 + 40 = 95^\circ$$
$$180 - 95 = \boxed{85^\circ}$$

