

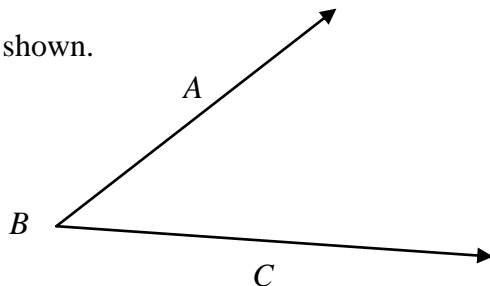
Angle Vocabulary, Complementary & Supplementary Angles

Long-Term Memory Review – Grade 6

Review 1

1. What is the definition of an acute angle?

2. Name the angle shown.

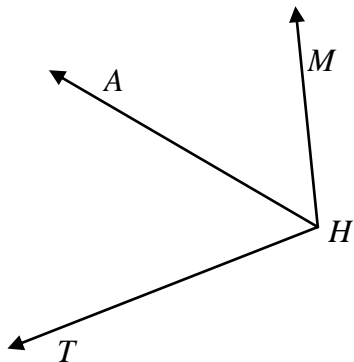


3. What is the definition of complimentary angles?

4. What is the definition of supplementary angles?

5. Sketch and label a right angle with vertex *X*.

6. How many different angles can be found in the diagram?



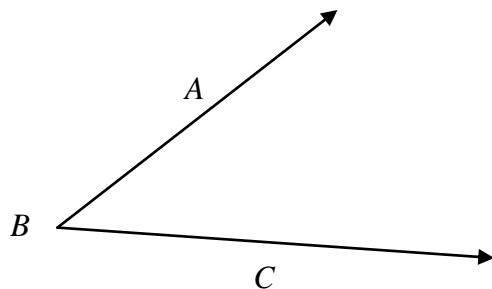
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Review 2

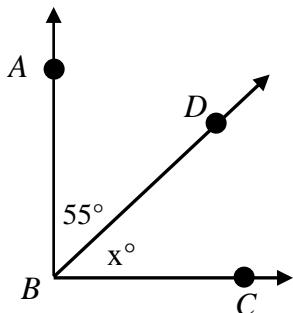
1. What is the definition of an obtuse angle?

2. Name the angle shown three different ways.



3. Give an example of angle measurements that are supplementary, Explain why your choices are supplementary.

4. $\angle ABC$ is a right angle. What is the value of x ?



5. If an angle measures 30° , what is its complement?

6. Sketch and label a straight angle with vertex X .

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Review 3

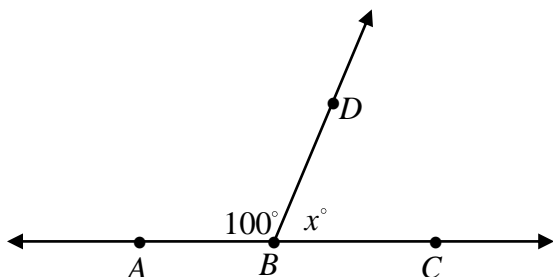
1. Explain the difference between right angles and straight angles.

2. If an angle measure 34° ,
 - a) What is the measure of its complement?

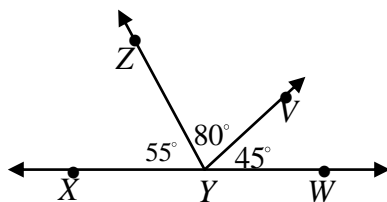
 - b) What is the measure of its supplement?

3. Give an example of two angle measurements that are complementary. Explain why your choices are complementary.

4. $\angle ABC$ is a straight angle. What is the value of x ?



5. What is the measure of $\angle VYZ$?



6. Classify $\angle XYZ$ in the diagram above.

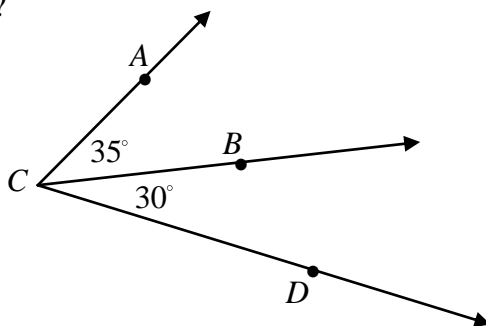
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Review 4

1. What does it mean when we say that two angles are congruent?

2. What is the measure of $\angle ACB$?

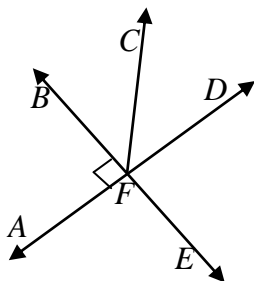


3. For each set of angles, label if they are **complementary**, **supplementary**, or **neither**

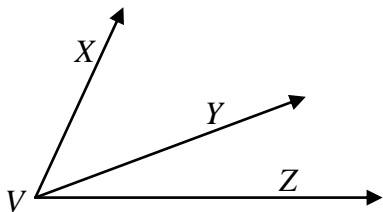
- a) 115° and 65°
- b) 45° and 45°
- c) 135° and 85°
- d) 75° and 15°
- e) 109° and 71°

4. Classify each angle:

- a) $\angle AFB$
- b) $\angle CFD$
- c) $\angle BFE$
- d) $\angle AFC$



5. Why is it unclear to refer to $\angle V$ in the diagram?



6. Two congruent angles are complementary to each other. What is the measure of each angle?

Angle Vocabulary, Complementary & Supplementary Angles

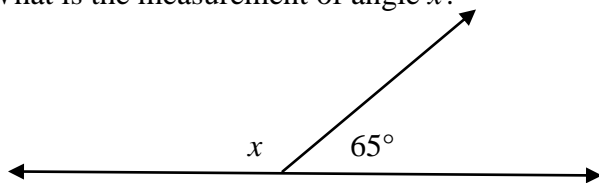
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Quiz

1. Which pair of angle measurements would be considered complementary?

- A) 75° and 25°
- B) 65° and 115°
- C) 55° and 35°
- D) 45° and 155°

2. What is the measurement of angle x ?



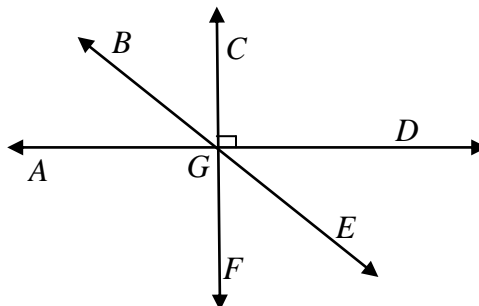
3. If an angle measures 20°

- a) What is its complement?
- b) What is its supplement?

4. a) What is the measure of $\angle DGF$?

b) What is the measure of $\angle FGA$?

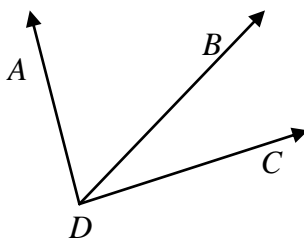
c) What is the measure of $\angle AGC$?



5. Two or more angles with the same measure are called _____ angles.

6. Two congruent angles are supplementary to each other. What is the measure of each angle?

7. Name three angles with D as the vertex.



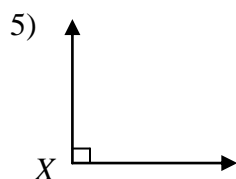
Angle Vocabulary, Complementary & Supplementary Angles

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Answers

Review 1 Answers

- 1) An angle whose measure is between 0° and 90° .
- 2) $\angle ABC$ or $\angle CBA$ or $\angle B$
- 3) Two angles with a sum of 90° .
- 4) Two angles with a sum of 180° .

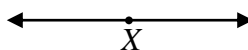
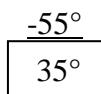


- 6) 3

Review 2 Answers

- 1) An angle whose measure is between 0° and 90° .
- 2) $\angle ABC$ or $\angle CBA$ or $\angle B$
- 3) Answers may vary. Example: 100° and 80° because $100^\circ + 80^\circ = 180^\circ$

- 4) 90° 5) 60° 6)



Review 3 Answers

- 1) Right angles measure 90° and straight angles measure 180° .
- 2) a) 56°
b) 146°
- 3) Answers may vary. Example: 40° and 50° because $40^\circ + 50^\circ = 90^\circ$.
- 4) 80
- 5) 80°
- 6) acute

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Review 4 Answers

- 1) They are equal in measure.
- 2) 35°
- 3)
 - a) Supplementary
 - b) Complementary
 - c) Neither
 - d) Complementary
 - e) Supplementary
- 4)
 - a) right
 - b) acute
 - c) straight
 - d) obtuse
- 5) There are three angles with vertex V .
- 6) 45°

Quiz Answers

- 1) C. 55° and 35°
- 2) 115°
- 3)
 - a) 70°
 - b) 160°
- 4)
 - a) 90°
 - b) 90°
 - c) 90°
- 5) congruent
- 6) 90°
- 7)
 - a) $\angle ADB$
 - b) $\angle BDC$
 - c) $\angle ADC$