

Name: \_\_\_\_\_

Date \_\_\_\_\_

Topic: Types of Angles- Worksheet 1

*Answer the Question:*

1. Two complementary angles measure  $y$  and  $30^\circ$ . How many degrees are there in  $y$ ?
2. Two vertical angles measure  $6x$  and  $80^\circ$ . How many degrees are there in  $x$ ?
3. Two complementary angles measure  $x$  and  $46^\circ$ . How many degrees are there in  $x$ ?
4. Two complementary angles measure  $x$  and  $27^\circ$ . How many degrees are there in  $x$ ?
5. Two vertical angles measure  $x$  and  $70^\circ$ . How many degrees are there in  $x$ ?
6. Two supplementary angles measure  $(6x-45)$  and  $(4x+42)$  degrees. What is the value of  $x$ ?
7. Two supplementary angles measure  $(x+53)$  and  $(x+50)$  degrees. What is the value of  $x$ ?
8. Two vertical angles measure  $x$  and  $37^\circ$ . How many degrees are there in  $x$ ?
9. Two complementary angles measure  $x$  and  $50^\circ$ . How many degrees are there in  $x$ ?
10. Two vertical angles measure  $4x$  and  $85^\circ$ . How many degrees are there in  $x$ ?



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Topic: Types of Angles- Worksheet 2

*Answer the Question:*

1. Two supplementary angles measure  $(2x-55)$  and  $(3x-30)$  degrees. What is the value of  $x$ ?
2. Two vertical angles measure  $5x$  and  $90^\circ$ . How many degrees are there in  $x$ ?
3. Two complementary angles measure  $x$  and  $34^\circ$ . How many degrees are there in  $x$ ?
4. Two complementary angles measure  $y$  and  $42^\circ$ . How many degrees are there in  $y$ ?
5. Two vertical angles measure  $x$  and  $56^\circ$ . How many degrees are there in  $x$ ?
6. Two supplementary angles measure  $(x+58)$  and  $(x+50)$  degrees. What is the value of  $x$ ?
7. Two complementary angles measure  $x$  and  $48^\circ$ . How many degrees are there in  $x$ ?
8. Two vertical angles measure  $x$  and  $50^\circ$ . How many degrees are there in  $x$ ?
9. Two vertical angles measure  $5x$  and  $45^\circ$ . How many degrees are there in  $x$ ?
10. Two supplementary angles measure  $(x + 53)$  and  $(x + 50)$  degrees. What is the value of  $x$ ?



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Topic: Types of Angles- Worksheet 3

*Answer the Question:*

1. *Two complementary angles measure  $x$  and  $48^\circ$ . How many degrees are there in  $x$ ?*
2. *Two complementary angles measure  $y$  and  $35^\circ$ . How many degrees are there in  $y$ ?*
3. *Two vertical angles measure  $3x$  and  $70^\circ$ . How many degrees are there in  $x$ ?*
4. *Two complementary angles measure  $y$  and  $25^\circ$ . How many degrees are there in  $y$ ?*
5. *Two supplementary angles measure  $(2x + 28)$  and  $(6x + 40)$  degrees. What is the value of  $x$ ?*
6. *Two complementary angles measure  $x$  and  $40^\circ$ . How many degrees are there in  $x$ ?*
7. *Two complementary angles measure  $x$  and  $54^\circ$ . How many degrees are there in  $x$ ?*
8. *Two vertical angles measure  $x$  and  $60^\circ$ . How many degrees are there in  $x$ ?*
9. *Two supplementary angles measure  $(x+40)$  and  $(x+54)$  degrees. What is the value of  $x$ ?*
10. *Two vertical angles measure  $3x$  and  $70^\circ$ . How many degrees are there in  $x$ ?*



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Topic: Types of Angles- Worksheet 4

*Answer the Question:*

1. Two vertical angles measure  $7x$  and  $87^\circ$ . How many degrees are there in  $x$ ?
2. Two complementary angles measure  $y$  and  $47^\circ$ . How many degrees are there in  $y$ ?
3. Two vertical angles measure  $6x$  and  $86^\circ$ . How many degrees are there in  $x$ ?
4. Two supplementary angles measure  $(3x + 58)$  and  $(6x + 76)$  degrees. What is the value of  $x$ ?
5. Two vertical angles measure  $x$  and  $89^\circ$ . How many degrees are there in  $x$ ?
6. Two complementary angles measure  $x$  and  $35^\circ$ . How many degrees are there in  $x$ ?
7. Two supplementary angles measure  $(x+87)$  and  $(x+24)$  degrees. What is the value of  $x$ ?
8. Two vertical angles measure  $x$  and  $53^\circ$ . How many degrees are there in  $x$ ?
9. Two complementary angles measure  $x$  and  $53^\circ$ . How many degrees are there in  $x$ ?
10. Two complementary angles measure  $5x$  and  $80^\circ$ . How many degrees are there in  $x$ ?



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Topic: Types of Angles- Worksheet 5

*Answer the Question:*

1. Two supplementary angles measure  $(2x-72)$  and  $(3x-73)$  degrees. What is the value of  $x$ ?
2. Two vertical angles measure  $3x$  and  $70^\circ$ . How many degrees are there in  $x$ ?
3. Two complementary angles measure  $x$  and  $43^\circ$ . How many degrees are there in  $x$ ?
4. Two complementary angles measure  $y$  and  $48^\circ$ . How many degrees are there in  $y$ ?
5. Two vertical angles measure  $4x$  and  $60^\circ$ . How many degrees are there in  $x$ ?
6. Two supplementary angles measure  $(x+59)$  and  $(x+41)$  degrees. What is the value of  $x$ ?
7. Two complementary angles measure  $x$  and  $84^\circ$ . How many degrees are there in  $x$ ?
8. Two vertical angles measure  $x$  and  $46^\circ$ . How many degrees are there in  $x$ ?
9. Two vertical angles measure  $3x$  and  $45^\circ$ . How many degrees are there in  $x$ ?
10. Two complementary angles measure  $x$  and  $87^\circ$ . How many degrees are there in  $x$ ?

