Date _____

Topic: Types of Angles- Worksheet 1

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



Date _____

Topic: Types of Angles- Worksheet 2

Answer the Question:

- 7. (2x-55) and (3x-30) degrees. What is the value of x?
- Two supplementary angles measure 2. Two vertical angles measure 5x and 90°. How many degrees are there in x?

- 3. Two complementary angles measure $x + 4 \cdot x$ Two complementary angles measure y and and 34°. How many degrees are 42°. How many degrees are there in y? there in x?
- 5. Two vertical angles measure x and 56°. How many degrees are there in x?
- 6. Two supplementary angles measure (x+58)and (x+50) degrees. What is the value of
- 7. Two complementary angles measure x \mathcal{B} . Two vertical angles measure x and 50°. and 48°. How many degrees are How many degrees are there in x? there in x?

x?

9٠ Two vertical angles measure 5x and 10. Two supplementary angles measure (x +45°∙ How many degrees are there in 53) and (x + 50) degrees. What is the value of x? х?



Date _____

Topic: Types of Angles- Worksheet 3

- 1. Two complementary angles measure $x \quad 2 \cdot \quad$ Two complementary angles measure y and and 48°. How many degrees are 35° . How many degrees are there in y? there in x?
- Two vertical angles measure 3x and 4. Two complementary angles measure y and 3. 70°. How many degrees are there in 25°. How many degrees are there in y? х?
- 5. is the value of x?
- Two supplementary angles measure ($2x \ 6 \cdot$ Two complementary angles measure x and + 28) and (6x + 40) degrees. What 40° . How many degrees are there in x?
- 7. Two complementary angles measure $x \quad \mathbf{8} \cdot \quad$ Two vertical angles measure x and $60^{\circ} \cdot$ How and 54°. How many degrees are there many degrees are there in x? in x?
- Two supplementary angles measure $10 \cdot$ Two vertical angles measure 3x and 70° . 9٠ (x+40) and (x+54) degrees. What is How many degrees are there in x? the value of x?



Date _____

Topic: Types of Angles- Worksheet 4

- 1. 87°. How many degrees are there in x?
 - Two vertical angles measure 7x and 2. Two complementary angles measure y and 47° . How many degrees are there in y?
- Two vertical angles measure 6x and 3. 86°. How many degrees are there in х?
- 4. Two supplementary angles measure (3x + 58)and (6x + 76) degrees. What is the value of х?
- 5. x?
- Two vertical angles measure x and 6. Two complementary angles measure x and 89°. How many degrees are there in 35°. How many degrees are there in x?
- 7. Two supplementary angles measure $\mathbf{8}$. Two vertical angles measure x and 53° . How (x+87) and (x+24) degrees. What is many degrees are there in x? the value of x?
- Two complementary angles measure x 10. Two complementary angles measure 5x and 9٠ and 53°· How many degrees are 80° . How many degrees are there in x? there in x?



Date _____

Topic: Types of Angles- Worksheet 5

- 7. (2x-72) and (3x-73) degrees. What How many degrees are there in x? is the value of x?
- Two supplementary angles measure 2. Two vertical angles measure 3x and 70°.

- 3. Two complementary angles measure $x + 4 \cdot x$ Two complementary angles measure y and and 43°. How many degrees are 48°. How many degrees are there in y? there in x?
- 5. Two vertical angles measure 4x and 60°. 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 $\boldsymbol{\mathcal{S}}$. Two vertical angles measure x and 46° . and 84°. How many degrees are How many degrees are there in x? there in x?
- 9٠ Two vertical angles measure 3x and 10. Two complementary angles measure x and 87°. How many degrees are there in x? 45°∙ How many degrees are there in х?

