

# **Complementary Angles**

Name \_\_\_\_\_

Score \_\_\_\_\_

CS:01

Check whether the given pairs of angles are complementary.

1) 
$$52^{\circ}$$
,  $38^{\circ}$ 

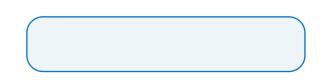


$$6^{\circ}, 81^{\circ}$$

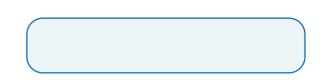




$$2)$$
  $30^{\circ}$ ,  $10^{\circ}$ 



4) 
$$89^{\circ}$$
,  $1^{\circ}$ 





Find the complement of each angle.

1) 
$$7^{\circ}$$
Complement of  $7^{\circ} =$ 

3) 
$$31^{\circ}$$
 Complement of  $31^{\circ} =$ 

5) 
$$42^{\circ}$$
Complement of  $42^{\circ} =$ 

7) 
$$50^{\circ}$$
Complement of  $50^{\circ} =$ 

2) 
$$24^{\circ}$$
Complement of  $24^{\circ} =$ 

4) 
$$77^{\circ}$$

Complement of  $77^{\circ} =$ 

6) 
$$60^{\circ}$$
Complement of  $60^{\circ} =$ 

8) 
$$88^{\circ}$$
Complement of  $88^{\circ} =$ 



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## **Answer key**

Check whether the given pairs of angles are complementary.

1)  $52^{\circ}$ ,  $38^{\circ}$ 

### complementary

3)  $6^{\circ}$ ,  $81^{\circ}$ 

#### not complementary

5) 45°, 45°

#### complementary

2)  $30^{\circ}$ ,  $10^{\circ}$ 

#### not complementary

4)  $89^{\circ}$ ,  $1^{\circ}$ 

### complementary

6)  $27^{\circ}$ ,  $73^{\circ}$ 

#### not complementary

Find the complement of each angle.

- 1)  $7^{\circ}$ Complement of  $7^{\circ} = 83^{\circ}$
- $31^{\circ}$ Complement of  $31^{\circ} = 59^{\circ}$
- 5)  $42^{\circ}$ Complement of  $42^{\circ} = 48^{\circ}$
- 7)  $50^{\circ}$ Complement of  $50^{\circ} = 40^{\circ}$

- 2)  $24^{\circ}$ Complement of  $24^{\circ} = 66^{\circ}$
- 4)  $77^{\circ}$ Complement of  $77^{\circ} = 13^{\circ}$
- 6)  $60^{\circ}$  Complement of  $60^{\circ} = 30^{\circ}$
- 8)  $88^{\circ}$ Complement of  $88^{\circ} = 2^{\circ}$