math Antics Worksheets

Name:

Date:

Types of Angles

G-AB 1

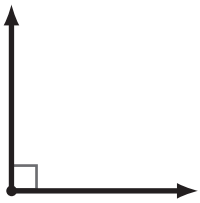
Instructions: For each angle, mark the box that matches its type.

1

- [x] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight

2

- [ ] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight



3

- [ ] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight

4

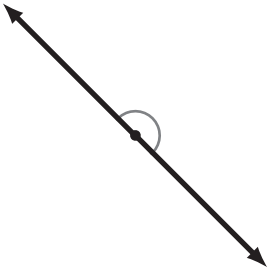
- [ ] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight

5

- [ ] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight

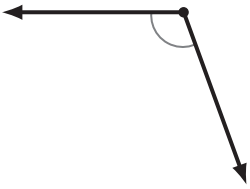
6

- [ ] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight



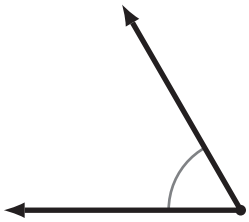
7

- [ ] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight



8

- [ ] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight



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math Antics Worksheets

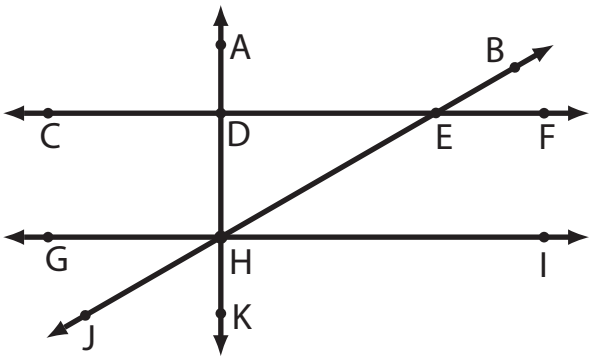
Name:

Date:

Identifying Geometric Elements

G-AB 2

Instructions: Use this diagram to answer the questions below. Circle 'true' or 'false'.



1. $\overleftrightarrow{CF}$ and $\overleftrightarrow{GI}$ are parallel lines. ..... **True** ..... **False**
2. ∠EHI is an acute angle. ..... **True** ..... **False**
3. ∠ADE is an acute angle. ..... **True** ..... **False**
4. $\overleftrightarrow{KA}$ and $\overleftrightarrow{JB}$ are perpendicular. ..... **True** ..... **False**
5. ∠DEB is an obtuse angle. ..... **True** ..... **False**
6. ∠ADE is a right angle. ..... **True** ..... **False**
7. ∠GHE is a right angle. ..... **True** ..... **False**
8. ∠JHG and ∠JHK are complementry. ..... **True** ..... **False**
9. ∠BEF and ∠FEH are supplementary. ..... **True** ..... **False**
10. ∠DHI is a right angle. ..... **True** ..... **False**
11. ∠GHJ and ∠KHI are supplementary. ..... **True** ..... **False**
12. $\overleftrightarrow{KA}$ and $\overleftrightarrow{CF}$ are perpendicular. ..... **True** ..... **False**
13. Points D, E and H form a plane. ..... **True** ..... **False**
14. Points C, D and E form a plane. ..... **True** ..... **False**

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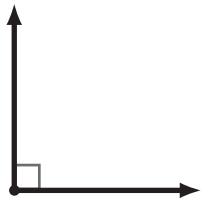
math Antics
Exercises

Name: _____

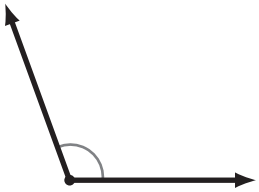
Date: _____

Angle Basics

1 What kind of angle is this? _____



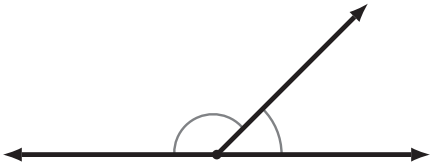
2 What kind of angle is this? _____



3 What kind of angle is this? _____

4 What kind of angle is this? _____

5 This diagram shows:

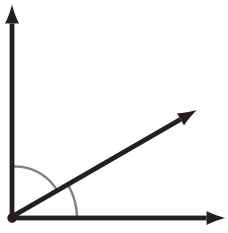


- ☐ **Parallel Lines**
- ☐ **Perpendicular Lines**
- ☐ **Supplementary Angles**
- ☐ **Complementary Angles**

6 This diagram shows:

- ☐ **Parallel Lines**
- ☐ **Perpendicular Lines**
- ☐ **Supplementary Angles**
- ☐ **Complementary Angles**

7 This diagram shows:



- ☐ **Parallel Lines**
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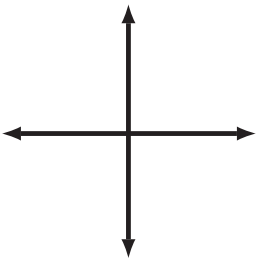
- ☐ **Supplementary Angles**
- ☐ **Complementary Angles**

8 This diagram shows:



- ☐ **Parallel Lines**
- ☐ **Perpendicular Lines**
- ☐ **Supplementary Angles**
- ☐ **Complementary Angles**

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math Antics Worksheets

Name:

Date:

Types of Angles

G-AB 1

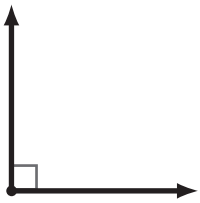
Instructions: For each angle, mark the box that matches its type.

1

- [x] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight

2

- [ ] Acute
- [x] Right
- [ ] Obtuse
- [ ] Straight



3

- [ ] Acute
- [ ] Right
- [x] Obtuse
- [ ] Straight

4

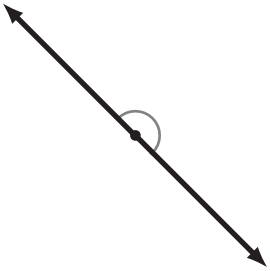
- [x] Acute
- [ ] Right
- [ ] Obtuse
- [ ] Straight

5

- [ ] Acute
- [x] Right
- [ ] Obtuse
- [ ] Straight

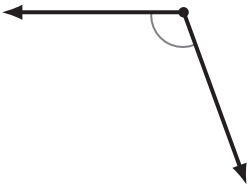
6

- [ ] Acute
- [ ] Right
- [ ] Obtuse
- [x] Straight



7

- [ ] Acute
- [ ] Right
- [x] Obtuse
- [ ] Straight



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- [x] Acute
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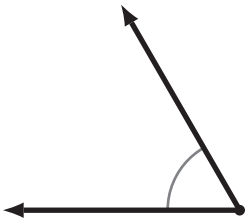
- [ ] Straight



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math Antics Worksheets

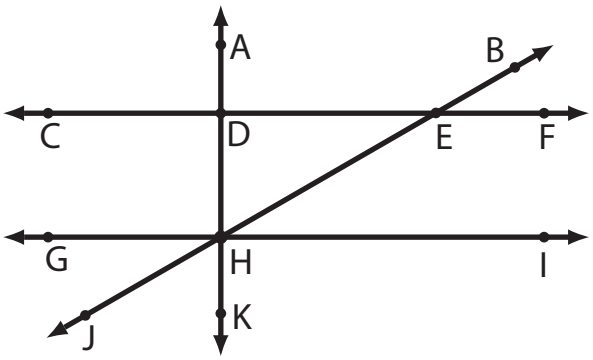
Name: _____

Date: _____

Identifying Geometric Elements

G-AB 2

Instructions: Use this diagram to answer the questions below. Circle 'true' or 'false'.



1	$\overleftrightarrow{CF}$ and $\overleftrightarrow{GI}$ are parallel lines.	**True**	False
2	∠EHI is an acute angle.	**True**	False
3	∠ADE is an acute angle.	True	**False**
4	$\overleftrightarrow{KA}$ and $\overleftrightarrow{JB}$ are perpendicular.	True	**False**
5	∠DEB is an obtuse angle.	**True**	False
6	∠ADE is a right angle.	**True**	False
7	∠GHE is a right angle.	True	**False**
8	∠JHG and ∠JHK are complementry.	**True**	False
9	∠BEF and ∠FEH are supplementary.	**True**	False
10	∠DHI is a right angle.	**True**	False
11	∠GHJ and ∠KHI are supplementary.	True	**False**
12	$\overleftrightarrow{KA}$ and $\overleftrightarrow{CF}$ are perpendicular.	**True**	False
13	Points D, E and H form a plane.	**True**	False
14	Points C, D and E form a plane.	True	**False**

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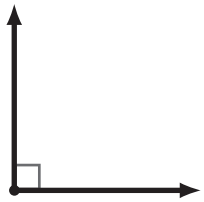
math Antics Exercises

Name:

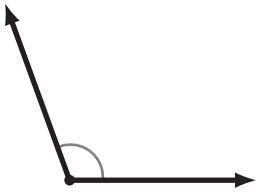
Date:

Angle Basics

1 What kind of angle is this? right



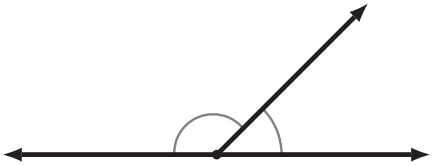
2 What kind of angle is this? obtuse



3 What kind of angle is this? acute

4 What kind of angle is this? straight

5 This diagram shows:

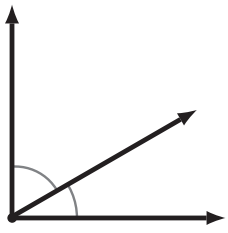


- [ ] Parallel Lines
- [ ] Perpendicular Lines
- [x] Supplementary Angles
- [ ] Complementary Angles

6 This diagram shows:

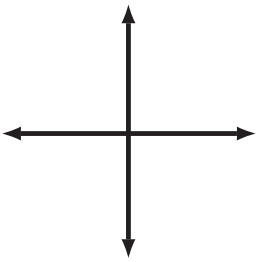
- [x] Parallel Lines
- [ ] Perpendicular Lines
- [ ] Supplementary Angles
- [ ] Complementary Angles

7 This diagram shows:



- [ ] Parallel Lines
- [ ] Perpendicular Lines
- [ ] Supplementary Angles
- [x] Complementary Angles

8 This diagram shows:



- [ ] Parallel Lines
- [x] Perpendicular Lines
- [ ] Supplementary Angles
- [ ] Complementary Angles

See Video for step-by-step solutions to each problem.

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