Angles - Determining Angles with Protractors

Use the protractor to determine the degree of the following angles.

Answers

1)

2)

3)

4)

5)

6)

7)

8)

9)

10)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Math
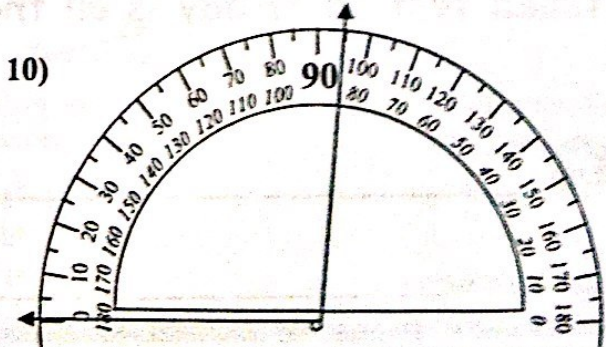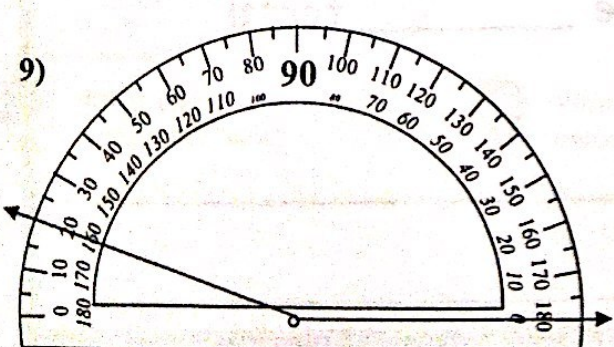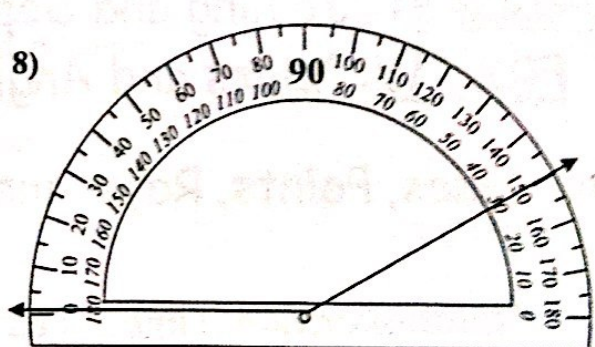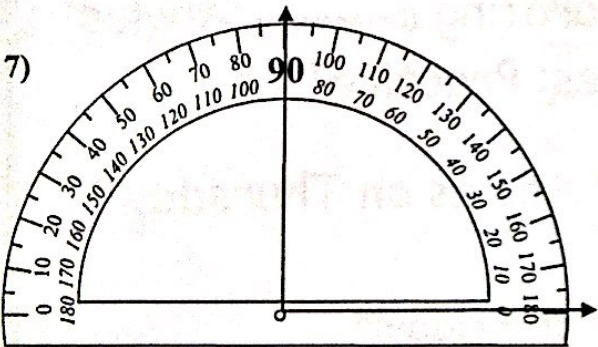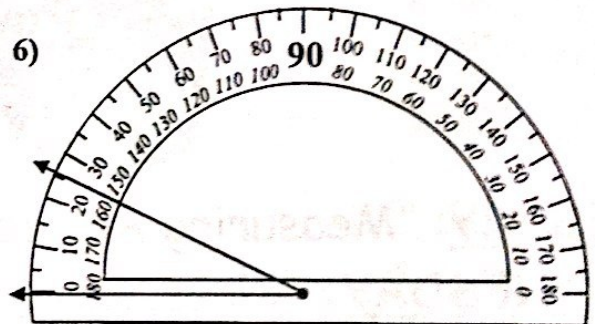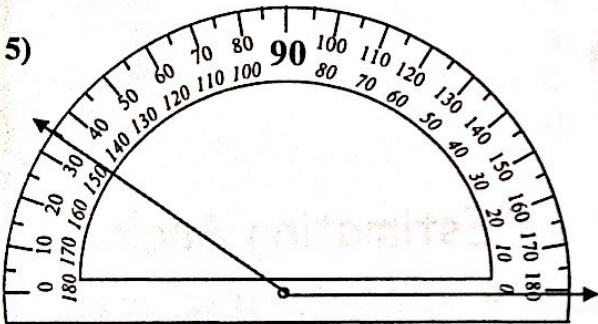
Estimating Angles

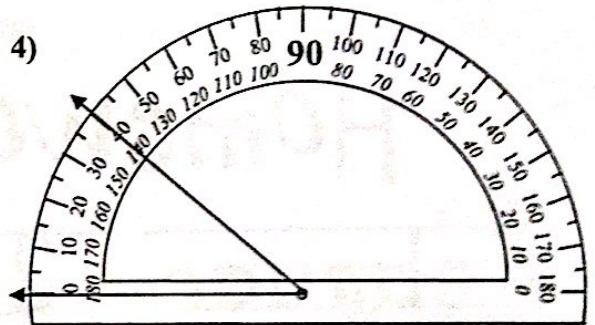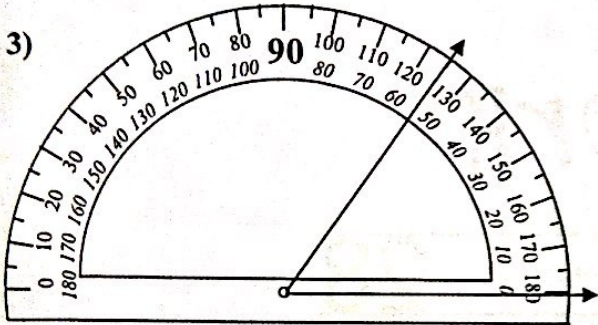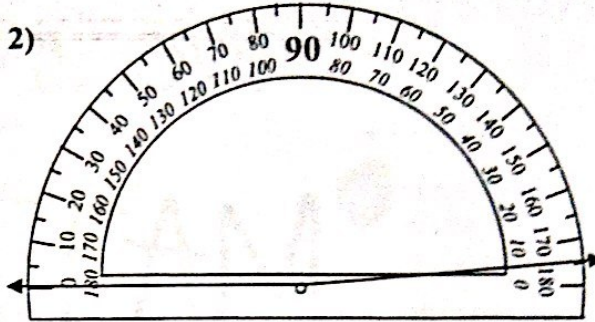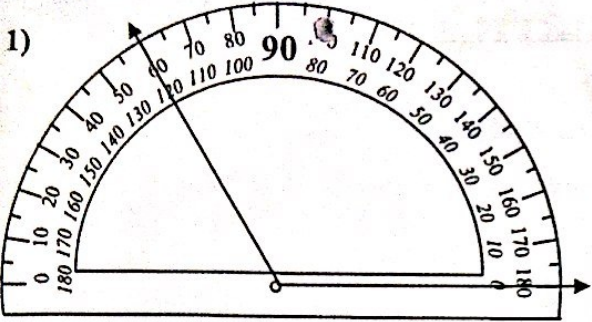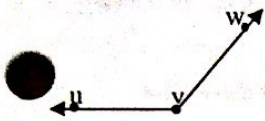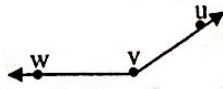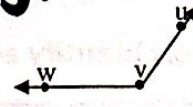**Determine which answer best reflects the angle shown.**

Circled problems only!

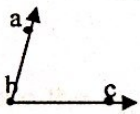**1)** Which option best represents ∟uvw?

- A. 132°
- B. 37°
- C. 33°
- D. 177°

2) Which option best represents ∟uvw?
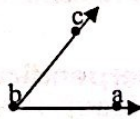
- A. 116°
- B. 148°
- C. 179°
- D. 178°

3) Which option best represents ∟uvw?

- A. 25°
- B. 160°
- C. 128°
- D. 44°

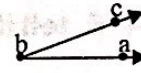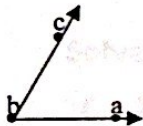**4)** Which option best represents ∟abc?

- A. 77°
- B. 39°
- C. 44°
- D. 156°

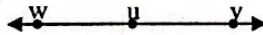**5)** Which option best represents ∟abc?

- A. 20°
- B. 52°
- C. 22°
- D. 115°

6) Which option best represents ∟abc?

- A. 74°
- B. 91°
- C. 22°
- D. 75°

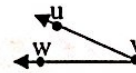**7)** Which option best represents ∟abc?

- A. 32°
- B. 64°
- C. 169°
- D. 142°

8) Which option best represents ∟uvw?

- A. 180°
- B. 126°
- C. 74°
- D. 39°

9) Which option best represents ∟uvw?

- A. 27°
- B. 111°
- C. 63°
- D. 130°
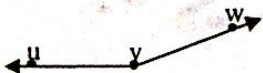
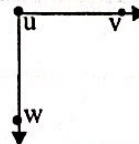**10)** Which option best represents ∟uvw?

- A. 110°
- B. 25°
- C. 1°
- D. 161°

11) Which option best represents ∟abc?

- A. 16°
- B. 70°
- C. 74°
- D. 55°

12) Which option best represents ∟uvw?

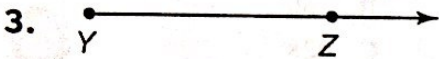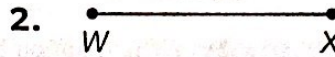- A. 90°
- B. 166°
- C. 36°
- D. 31°

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7 _____
8. _____
9. _____
10 _____
11. _____
12. _____

Math

Lines, Rays, and Angles Review

For questions 1–3, identify and name the figure.

1.

   U   V

_____

2.

  W   X

_____

3.

  Y   Z

_____
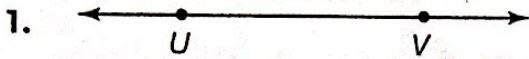
> **HINT** When naming a ray, use the endpoint as the first letter in the name.

For questions 4–6, tell if the lines are parallel, perpendicular, or neither.

4.

_____

5.

_____

6.

_____
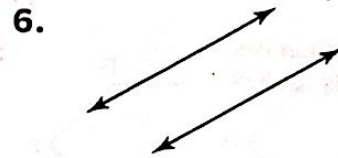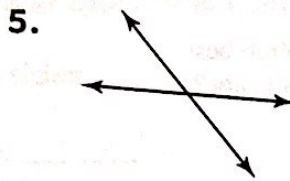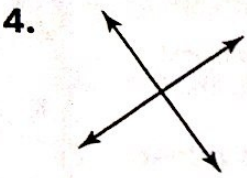
For questions 7–9, tell if the angle is acute, right, or obtuse.

7.

_____

8.

_____

9.

_____
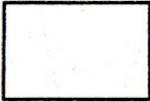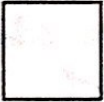
Keep Going! →

Lines, Rays, and Angles Review

Choose the best answer.

10. Which figure does **not** have any perpendicular line segments?

A. ▭

B. ▫

C. ▱

D. ▱

11. Which correctly names this figure?

G •————————• H →

A. $\overleftrightarrow{GH}$

B. $\overrightarrow{GH}$

C. $\overline{HG}$

D. $\overrightarrow{HG}$

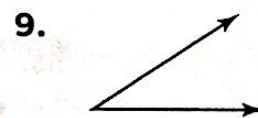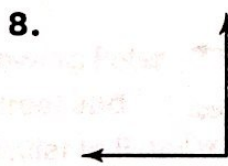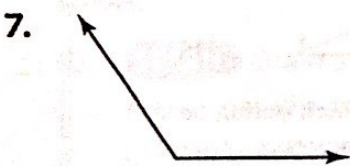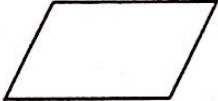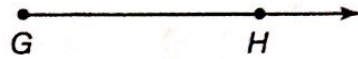**Use the figure below to answer questions 12–15.**

12. Identify a pair of parallel sides. _____

13. Identify an obtuse angle. _____

14. Identify an acute angle. _____

15. Identify a right angle. _____
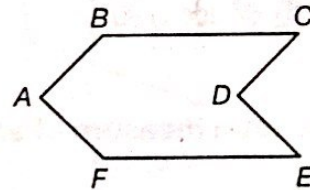
Solve.

16. **CREATE** Draw a map showing Peter Street parallel to Gary Street and Cathy Avenue perpendicular to Peter Street. Include on your map Nancy Lane that intersects but is not parallel to or perpendicular to the other three streets.

17. **WRITE MATH** Find one object in your room that models parallel lines and another object that models perpendicular lines. Explain your choices.

_____

_____

_____

_____

_____

Joining and Separating (Decomposing) Angles!

Complete the equation to represent each pair of angles shown.
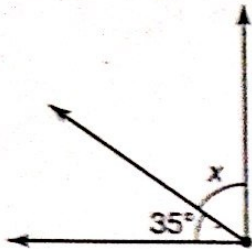
1. The angles have a sum of 90°.

$$35° + x° = \underline{\quad}°$$

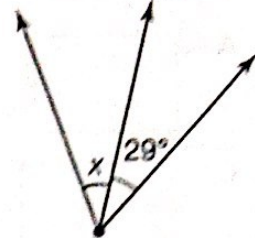💡 **HINT** The two angles add to 90°.

2. The angles have a sum of 154°.

93°   x

$$\underline{\quad}° + x° = \underline{\quad}°$$
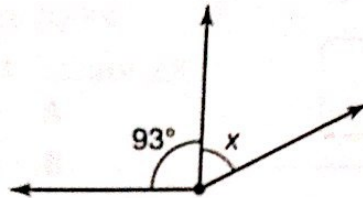
3. The angles have a sum of 62°

x 29°

$$\underline{\quad}° + \underline{\quad}° = \underline{\quad}°$$

Find the total measure of each pair of angles.

4.

43°
37°

$$\underline{\qquad\qquad}$$
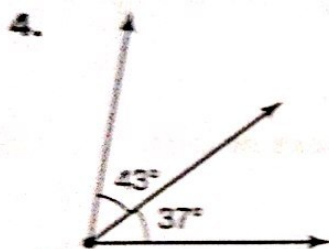
💡 **HINT** Add to find the total measure.

5.

82° 49°

$$\underline{\qquad\qquad}$$

6.

25° 114°

$$\underline{\qquad\qquad}$$
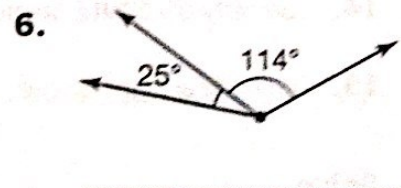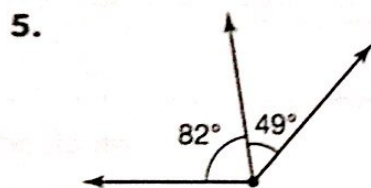
Find the number of degrees in the measure of the missing part.

7. The angles have a sum of 140°.

95°
x

$$\underline{\qquad\qquad}$$
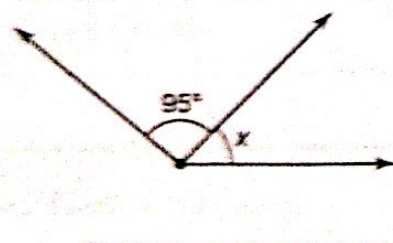
8. The angles have a sum of 74°.

x 53°

$$\underline{\qquad\qquad}$$

9. The angles have a sum of 168°.

x 46°

$$\underline{\qquad\qquad}$$

Domain 4: Measurement and Data

Generated by CamScanner
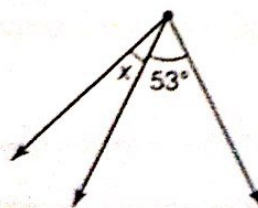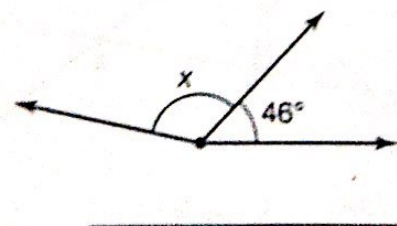
Lines and Angles: Practice!

1. Draw and label $\overline{AB}$ in the space at the right.

   $\overline{AB}$ is a _____.

Draw and label an example of the figure.

2. $\overleftrightarrow{XY}$

☑ 3. obtuse ∠K

4. right ∠CDE

Use Figure M for 5 and 6.
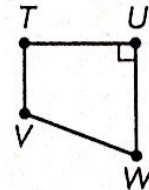
5. Name a line segment.

☑ 6. Name a right angle.

Figure M

Draw and label an example of the figure.

7. $\overrightarrow{PQ}$

8. acute ∠RST

9. straight ∠WXZ

Use Figure F for 10–15.

10. Name a ray.

11. Name an obtuse angle.

12. Name a line.

13. Name a line segment.

14. Name a right angle.
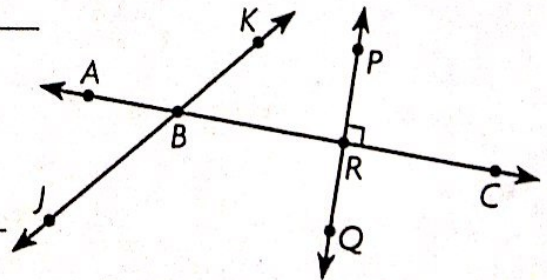
15. Name an acute angle.

Figure F

Module 14 • Lesson 1