Name:

Exam Style Questions

Angles: Types, drawing and measuring

Corbettmaths

Equipment needed: Pen, Ruler, Pencil

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents
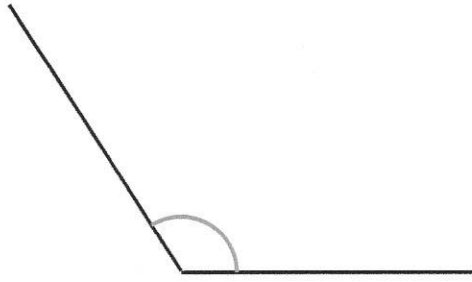
Videos 28, 31, 38

Answers and Video Solutions

1.

Which type of angle is shown above?
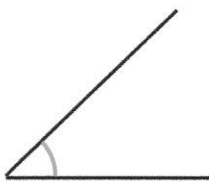
Circle your answer.

Reflex   Acute   (Obtuse)   Right

(1)

2. Shown below are four angles, A, B, C and D.

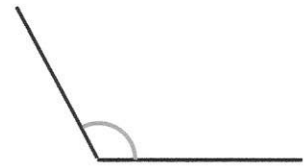A   B   C   D

Which angle is a right angle?

B

(1)

3. Which of the following types of angle is the smallest?
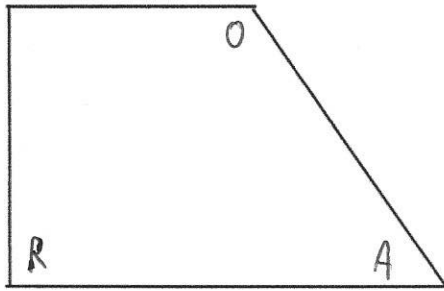
Circle the correct answer.
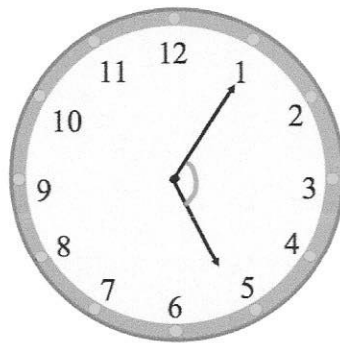
Obtuse   Right   Reflex   (Acute)

(1)

4. Here is a trapezium.

(a) Mark a right angle with a letter R.

or top left

(1)

(b) Mark an acute angle with a letter A.

(1)

(c) Mark an obtuse angle with a letter O.

(1)

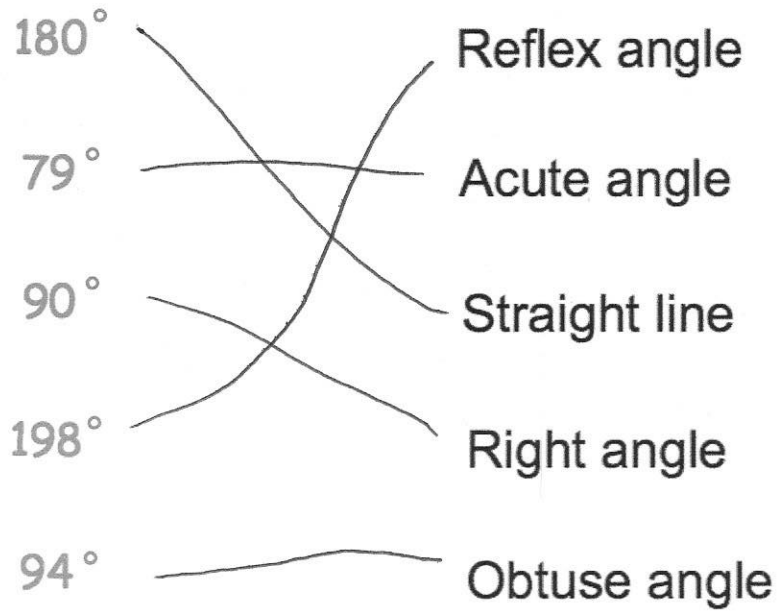5. The clock shows the time, in the evening, James returns from work.

(a) Write down the time shown on the clock.

6:05pm

(1)

(b) Circle the type of angle marked between the hour and minute hand.

Acute   Right   (Obtuse)   Reflex
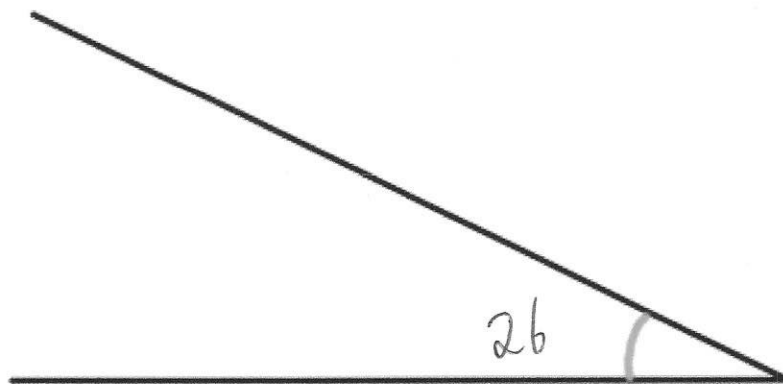
(1)

6. Emma measures 5 angles.
Shown below are the measurements and the type of angle.

180°	Reflex angle
79°	Acute angle
90°	Straight line
198°	Right angle
94°	Obtuse angle

Match each measurement to the correct type of angle.

(4)

7.

Measure the angle shown above.

26

your answer may vary slightly depending on printing

26 °

(1)

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8. Here is a list of words connected with angles.

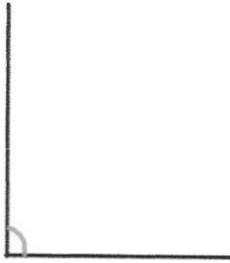**Acute**   **Reflex**   **Obtuse**

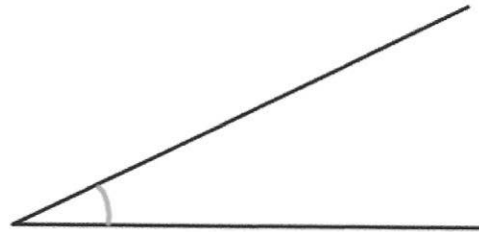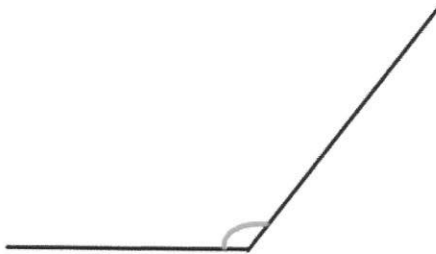**Right**   **Straight**   **Full-turn**

Choose the correct word to describe each angle.

Answer ....*Right*.... angle   Answer ....*Acute*.... angle

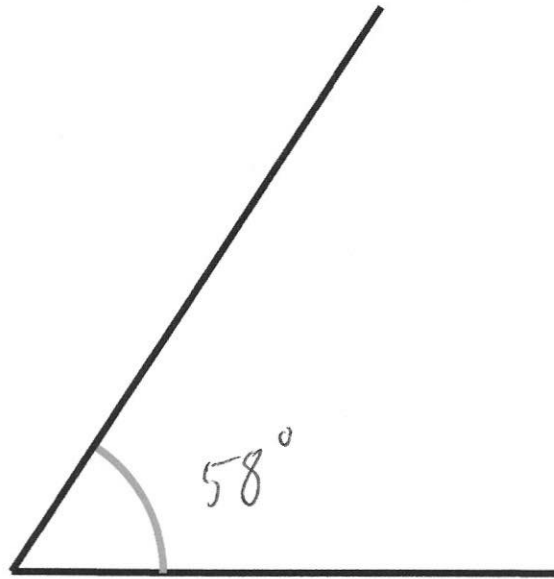Answer ....*Obtuse*.. angle   Answer ....*Reflex*.... angle

(3)

9. Roshni has been asked to draw a 64° angle in a test.

Here is her angle.

Roshni's teacher says

"if the angle is between 62° and 66°, I will give you a mark."
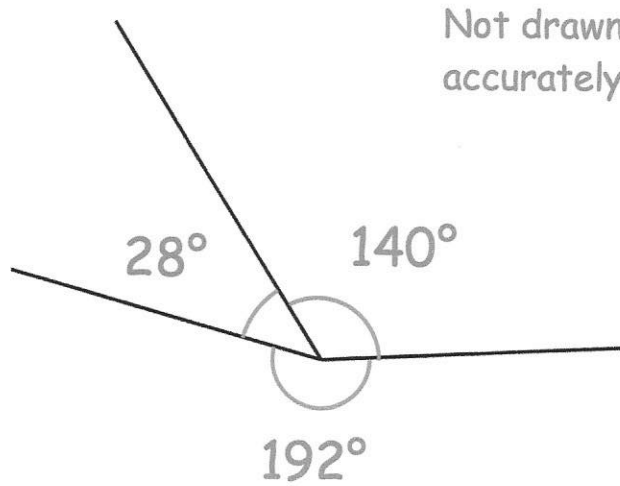
Will Roshni receive a mark for her angle?
Explain your answer.

No , the angle she drew is 58°.

(2)

10. Three angles meet at a point.

28°   140°

192°

Not drawn accurately

(a) Write down the size of the acute angle.

    28 degrees
    (1)
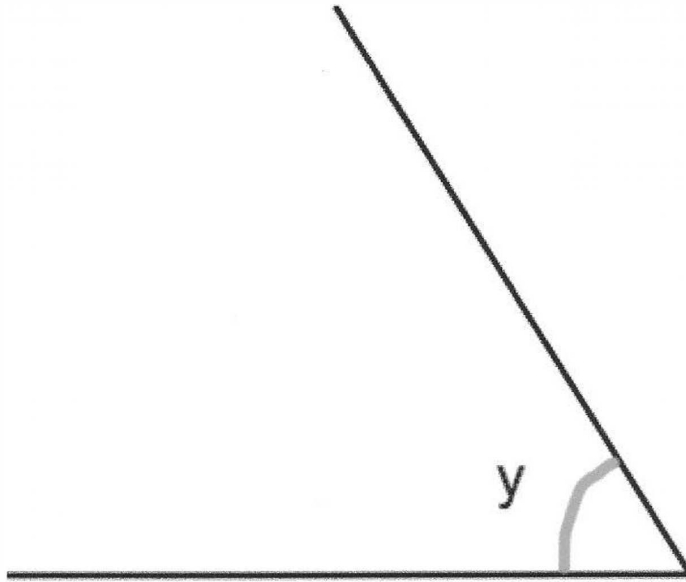
(b) Write down the size of the reflex angle.

    192 degrees
    (1)

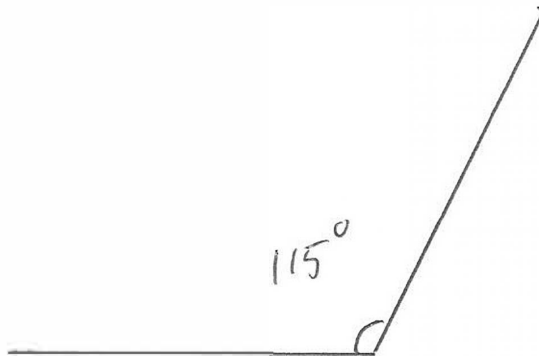(c) Find the sum of the three angles.

    360 degrees
    (1)

11. (a) Measure the size of angle y

your answer may vary slightly depending on printing

....**57**....°
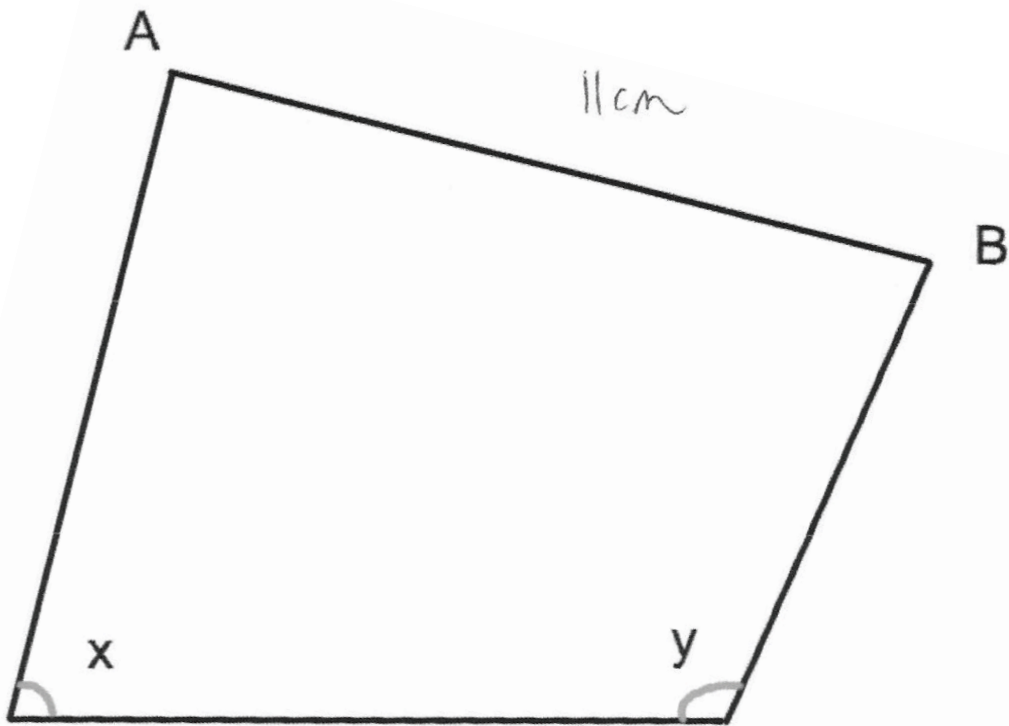
(1)

(b) Draw and label an angle of 115°

115°

(1)
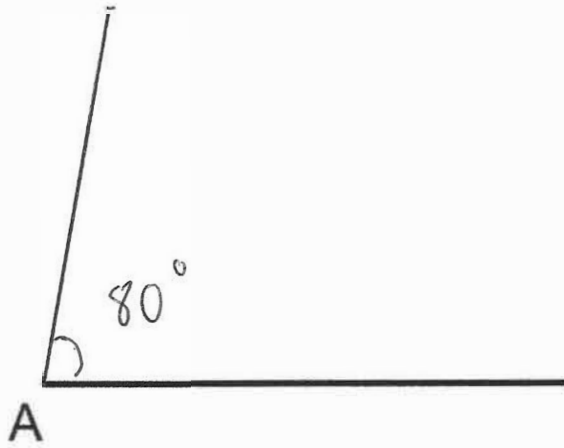
12.

(a) Measure the length of the line AB.

..............11..............cm

(1)

(b) What type of angle is x?

...........Acute...........

(1)
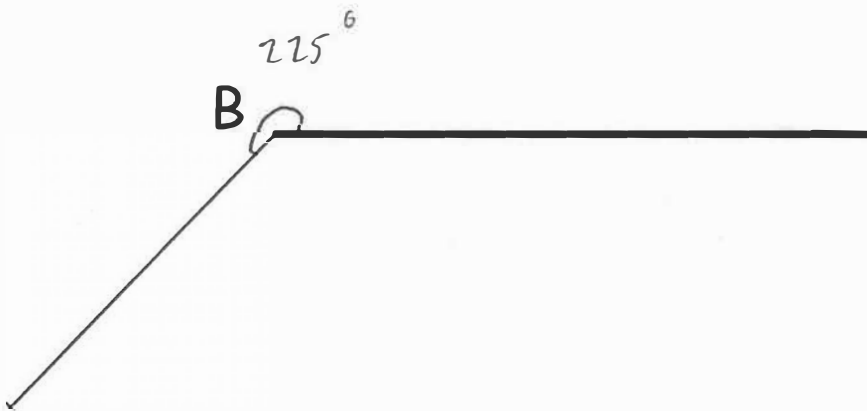
(c) Measure the size of angle y.

..............114..............°

(1)

13. (a) In the space below, draw an angle of 80° at A.

80°

A

(1)

(b) In the space below, draw an angle of 225° at B.

225°

B

(1)

14. Measure the reflex angle, y, shown below.

$84°$

y
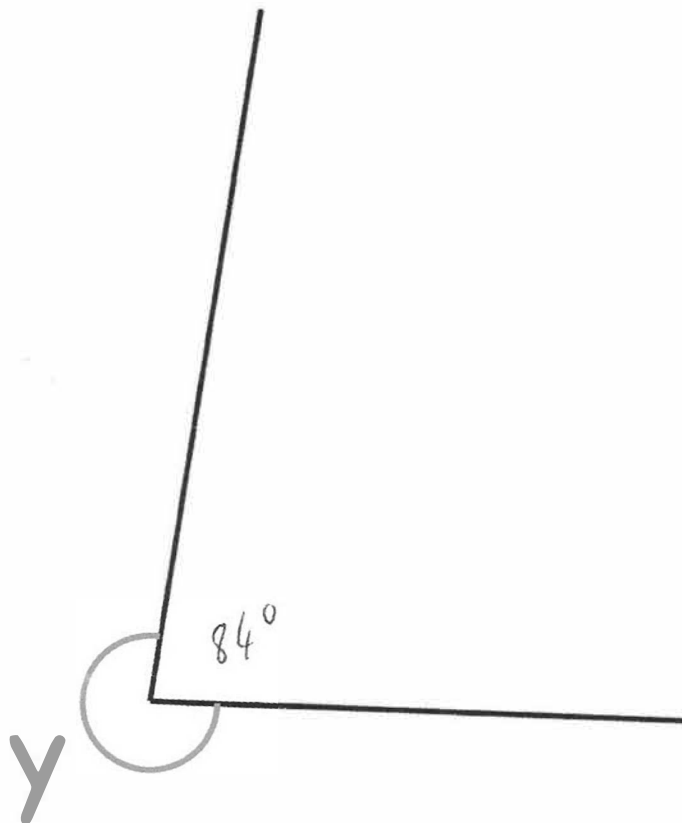
$360 - 84 = 276$

276 °

(1)

15.

Hannah is measuring an obtuse angle in her maths exam.
She has written the answer 32°

Her teacher has said she has looked at the outside number instead of the inside number on the protractor.

What angle should Hannah have put on her exam?

$180 - 32$

148 °

(1)