

Basic Angle Review

by – Sunshine Light

Activity overview:

Students will investigate the four basic types of angles, straight, right, acute, obtuse.

Concepts

Angles

Teacher preparation

Complete the activity; prepare yourself for the discussion that may take place.

Load tns file to student TI-Nspires.

Classroom management tips

I suggest completing this activity as a final review activity for angles. Students should feel comfortable with grabbing points and turning pages. This activity should be completed independently.

TI-Nspire Applications

Graphs and Geometry

Notes

Step-by-step directions

(1.1) Title Page



(1.2) Directions & Objective

1.1 1.2 1.3 1.4 ▸ DEG AUTO REAL

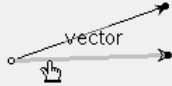
You will take your notes from this document today... Have fun!)

Objective: classify and draw angles

(1.3) Define Vertex

1.1 1.2 1.3 1.4 ▸ DEG AUTO REAL

The hollow point is the vertex.



Define vertex with words and a drawing.

(1.4) Title Page

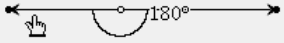
1.1 1.2 1.3 1.4 ▸ DEG AUTO REAL

Straight Angles

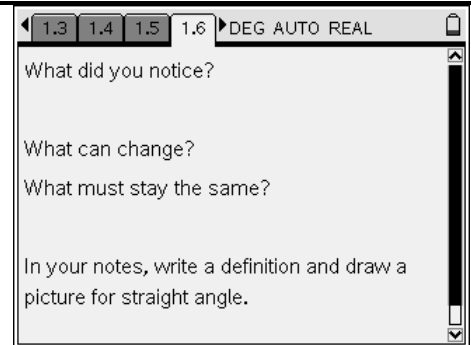
(1.5) Straight Angles

1.2 1.3 1.4 1.5 ▸ DEG AUTO REAL

Drag the points.



(1.6) Questions



1.3 1.4 1.5 1.6 DEG AUTO REAL

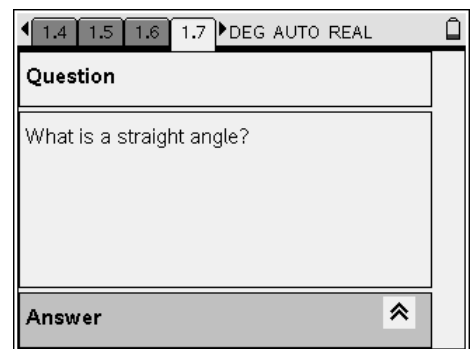
What did you notice?

What can change?

What must stay the same?

In your notes, write a definition and draw a picture for straight angle.

(1.7) Flash card with answer hidden



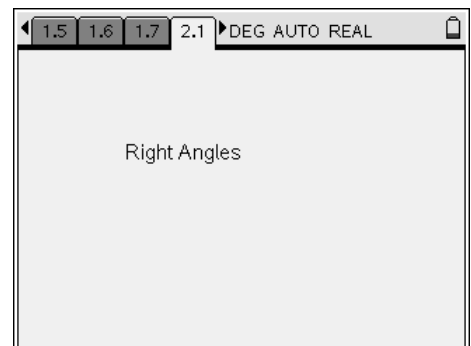
1.4 1.5 1.6 1.7 DEG AUTO REAL

Question

What is a straight angle?

Answer ⬆

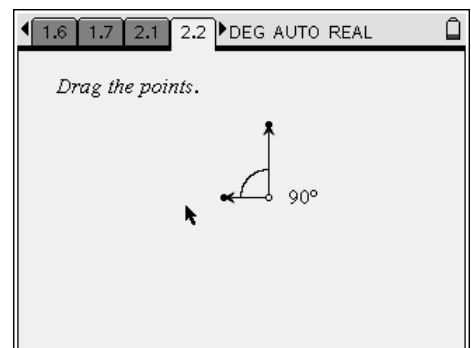
(2.1) Title Page



1.5 1.6 1.7 2.1 DEG AUTO REAL

Right Angles

(2.2) Right Angle

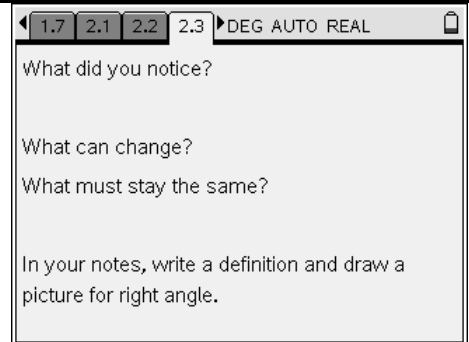


1.6 1.7 2.1 2.2 DEG AUTO REAL

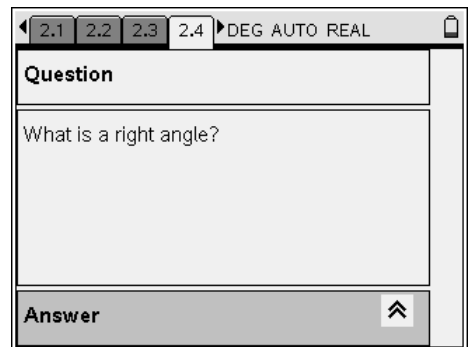
Drag the points.

90°

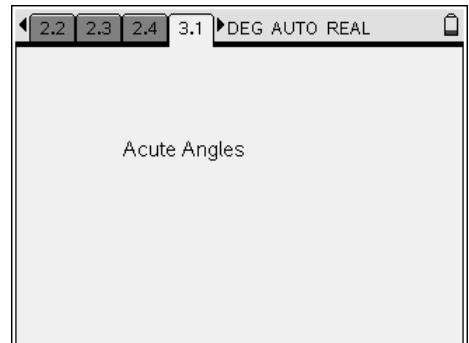
(2.3) Questions



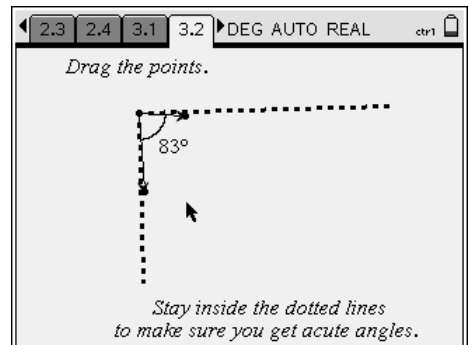
(2.4) Flashcard with answer hidden



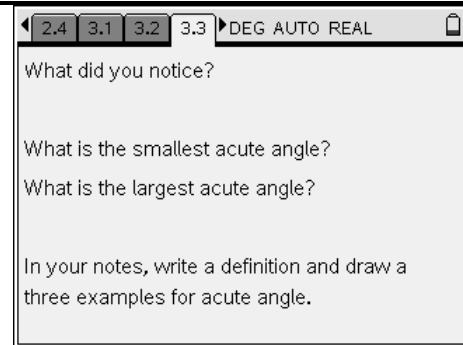
(3.1) Title Page



(3.2) Acute Angle



(3.3) Questions



2.4 3.1 3.2 3.3 DEG AUTO REAL

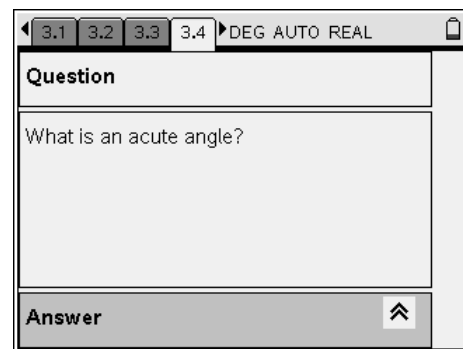
What did you notice?

What is the smallest acute angle?

What is the largest acute angle?

In your notes, write a definition and draw a three examples for acute angle.


(3.4) Flashcard with answer hidden



3.1 3.2 3.3 3.4 DEG AUTO REAL

Question

What is an acute angle?

Answer 

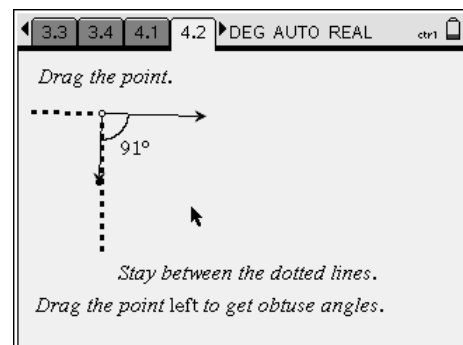
(4.1) Title Page



3.2 3.3 3.4 4.1 DEG AUTO REAL

Obtuse Angles

(4.2) Obtuse Angle



3.3 3.4 4.1 4.2 DEG AUTO REAL ctrl

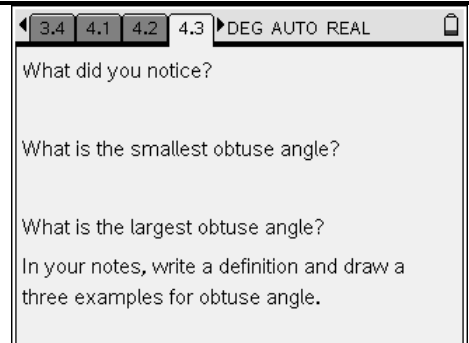
Drag the point.

91°

Stay between the dotted lines.

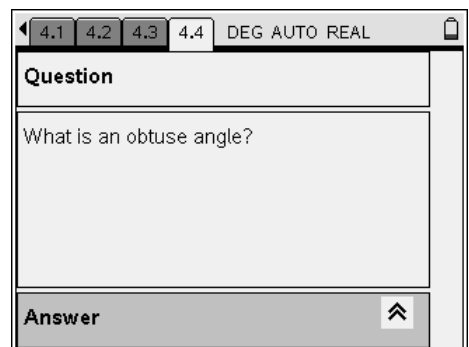
Drag the point left to get obtuse angles.

(4.3) Questions



TI-Nspire interface showing question 4.3. The interface includes a navigation bar with buttons for 3.4, 4.1, 4.2, 4.3, and DEG AUTO REAL. The question text is: "What did you notice?", "What is the smallest obtuse angle?", "What is the largest obtuse angle?", and "In your notes, write a definition and draw a three examples for obtuse angle."

(4.4) Flashcard with answer hidden



TI-Nspire interface showing flashcard 4.4. The interface includes a navigation bar with buttons for 4.1, 4.2, 4.3, 4.4, and DEG AUTO REAL. The flashcard is divided into a "Question" section with the text "What is an obtuse angle?" and an "Answer" section with an upward-pointing arrow icon.

Assessment and evaluation:

Students will complete and compare their notes with a partner for clarification.

Activity extensions

Students will begin a study of angle relationships.

Student TI-Nspire Document

Angle Review.tns