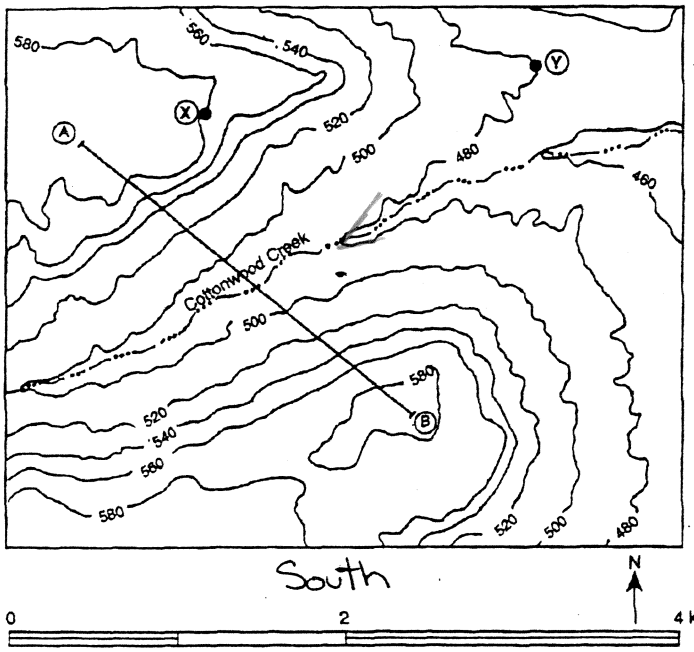
Date _____ Do Now

1. Base your answer to the following question on the topographic map of Cottonwood, Colorado, below. Points *A*, *B*, *X*, and *Y* are marked for reference.

North

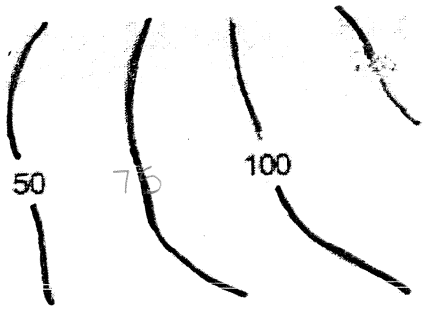
Cottonwood, Colorado



Contour Interval 20 meters

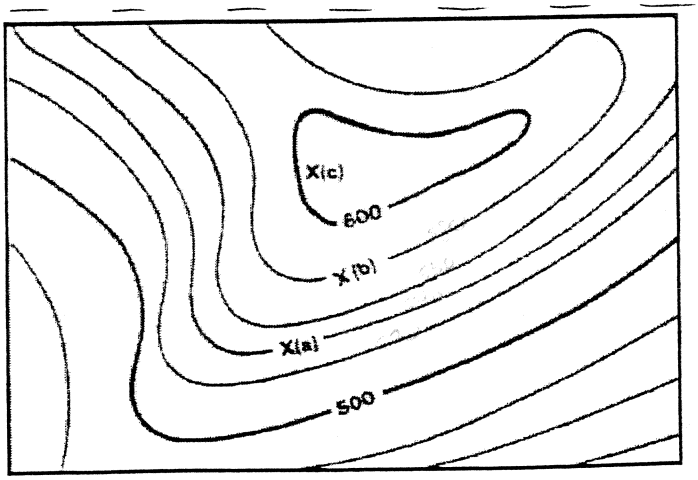
1. In what direction is Cottonwood Creek flowing? Northeast

2.



What is the contour interval of this map? 25 ft

3.



What is the contour interval on this map? 20 ft

What is the elevation of points (a) and (b)? a 540 b 580

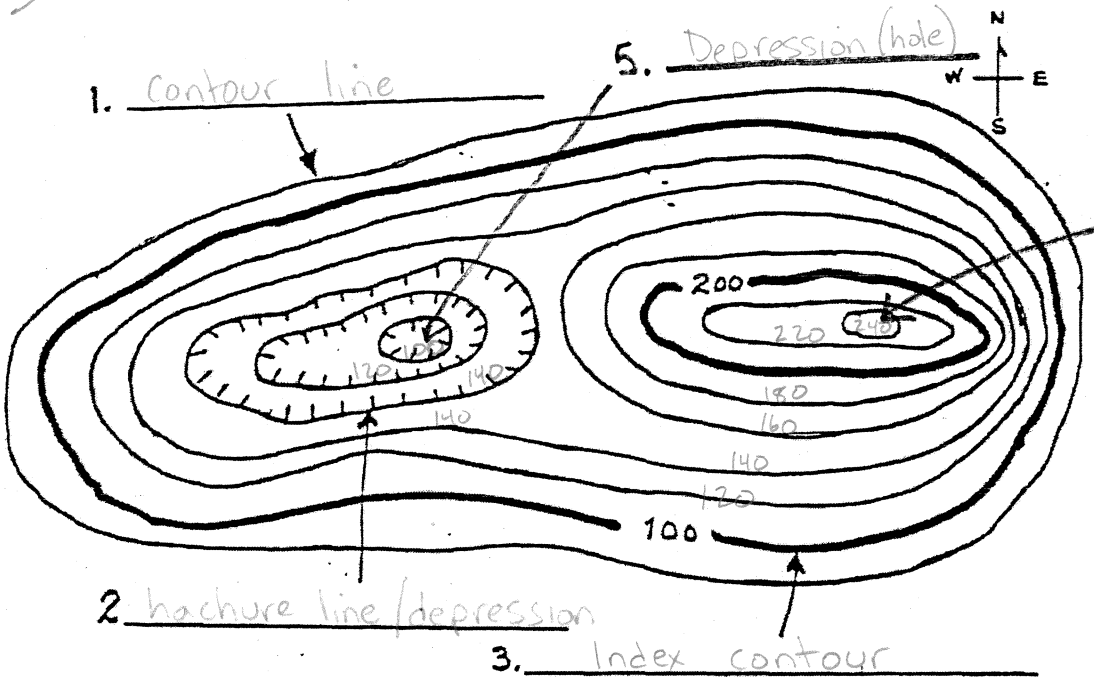
What is the maximum possible elevation of (c)? c 619

Name _____ Earth Science

Key

Contour/Topographic Maps

Label the features at 1, 2, 3, 4, 5.



Contour Interval 20 feet
Highest Possible Elevation 259 feet

Which is the steepest side of the hill: north, south, east, west? EAST

Closely spaced isolines indicate a steep gradient. (steep/gentle/uniform)

Widely spaced isolines indicate a gentle gradient. (steep/gentle/uniform)

Evenly spaced isolines indicate a uniform gradient. (steep/gentle/uniform)

Points enclosed within isolines (without hachure marks) have higher field values than points outside. (greater/smaller)

Depression isolines are distinguished from normal isolines by hachures (short ticks) at right angles to the isoline. The ticks point to the lower field value. (lower/higher)

This river is flowing east to west. Draw in the contour lines.