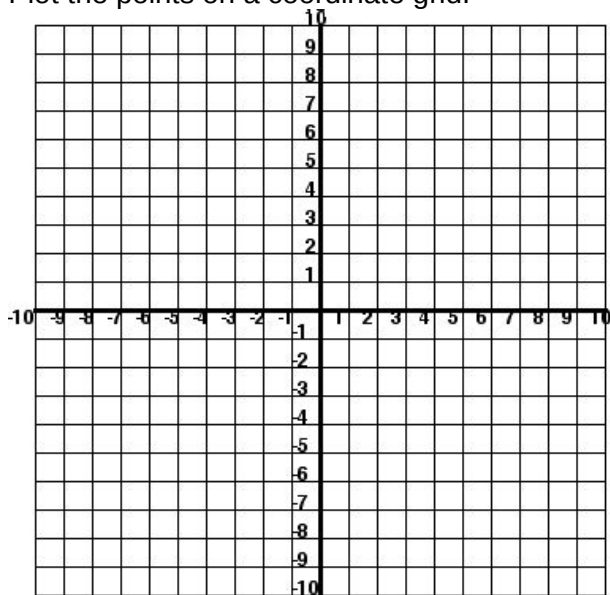


Lesson 4: Are You Ready?

1. This question is based on the following points:

- $(-3, 4)$
- $(6, -7)$
- $(6, 1)$
- $(-2, -7)$

a. Plot the points on a coordinate grid.



b. Complete the table by identifying the quadrant where each point is found.

Point	Quadrant
$(-3, 4)$	
$(6, -7)$	
$(6, 1)$	
$(-2, -7)$	

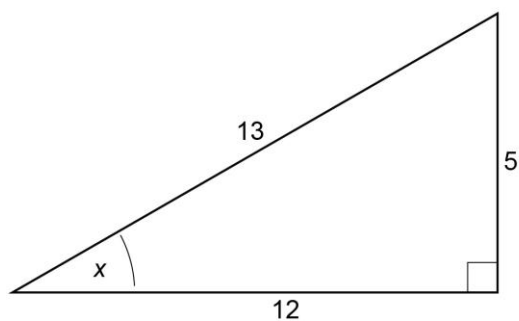
c. i. List two points that could be the endpoints of a horizontal line.

ii. List two points that could be the endpoints of a vertical line.

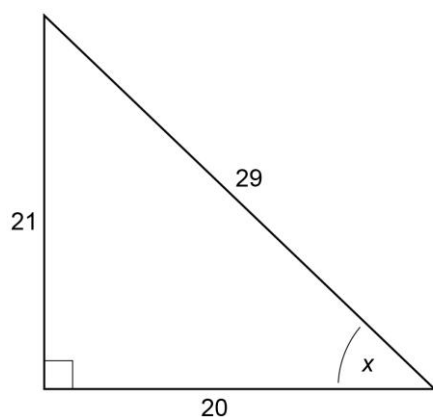
iii. List two points that could be the endpoints of a diagonal line.

2. Determine the tangent ratio for the indicated angle of each triangle.

a.



b.



3. Simplify the following ratios.

a. $\frac{15}{20}$

b. $-\frac{24}{36}$

c. $\frac{39}{26}$

4. Evaluate each expression by substituting the given values.

	Formula	Values	Evaluated Expression
a.	$V = \ell wh$	$\ell = 10$ $w = 5$ $h = 2$	
b.	$A = \frac{b \times h}{2}$	$b = 6$ $h = 3$	
c.	$c = \sqrt{a^2 + b^2}$	$a = 8$ $b = 15$	