

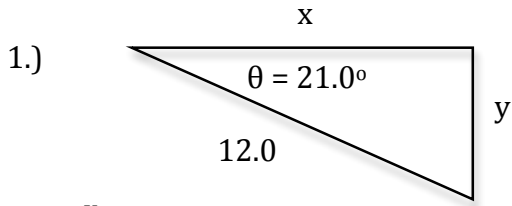
Name: \_\_\_\_\_

Class Period: \_\_\_\_\_

### Trigonometry Review

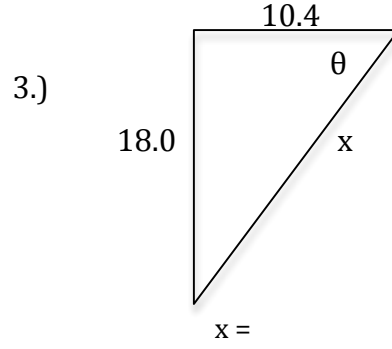
**\*Write down the trig function used. Change your calculate mode to degrees.**

Assume the 4 triangles below are right triangles. Solve for any missing variables (x, y, or  $\theta$ )



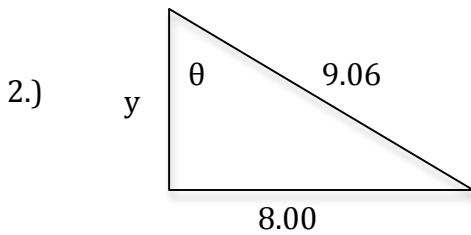
x =

y =



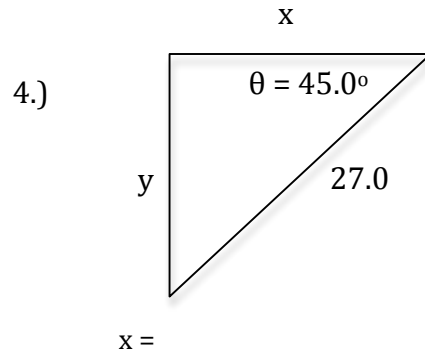
x =

$\theta$  =



y =

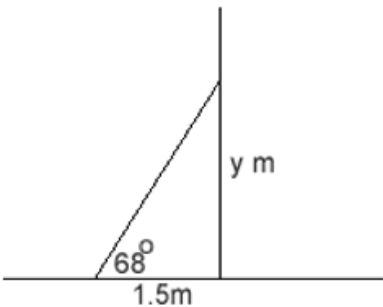
$\theta$  =



x =

y =

- 5) The foot of a ladder is 1.5 m from a vertical wall. The ladder makes an angle of  $68^\circ$  with the horizontal (see figure to the left). How far up the wall does the ladder reach?



**\*See back for final question**

- 6) The string of a kite is  $s = 120.0$  m long and is  $40.0$  m vertically in the air.
- A. What is the horizontal distance  $x$  of the kite?
  - B. What is the angle ( $\theta$ ) that the kite makes with the horizontal distance ( $x$ )?

