

# VersaTiles® Template #5

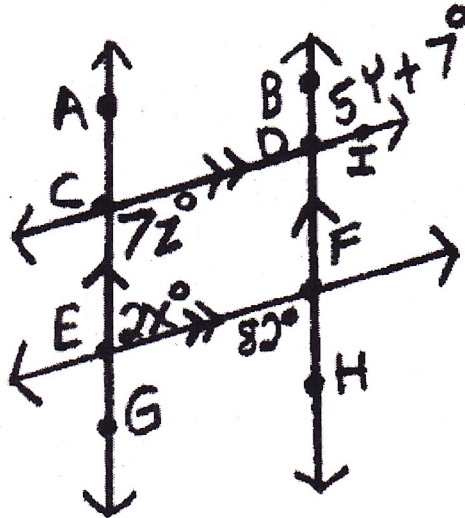
Student Name: \_\_\_\_\_

Date: \_\_\_\_\_

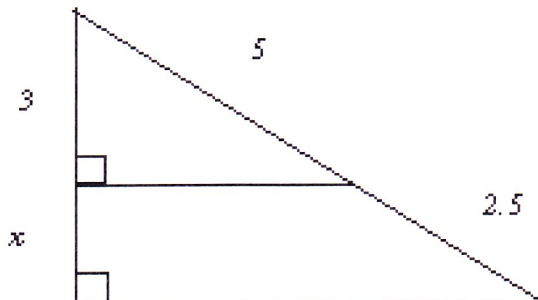
*Key*

Directions: Find the answer in the answer box that best fits each of the following situations. Write the correct letter in the blank next to each number.

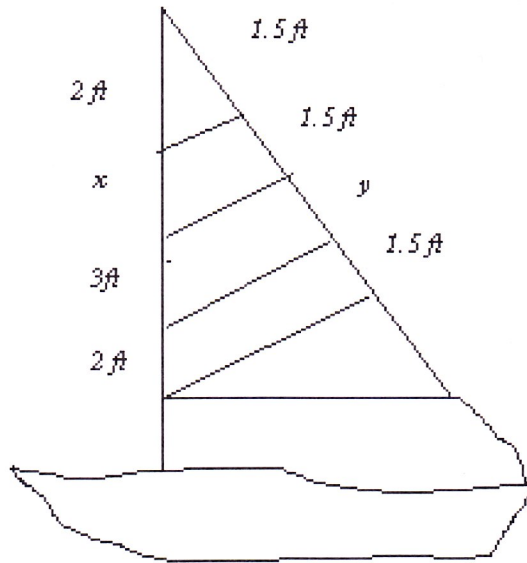
- B 1. Find the slope of the line perpendicular to:  $y = 1/2x - 3$
- D 2. Find the slope of the line parallel to:  $y = -3x + 2$
- E 3. Find the slope of the line parallel to:  $x + 3y = 1$
- A 4. Find the slope of the line perpendicular to:  $2x + y = 2$
- K 5. Find the slope of the line parallel to:  $y = x - 6$
- C 6. Find the slope of the line perpendicular to:  $y = -1/3x + 1/3$
- G 7. What is the value of  $x$  in  $\angle AEF$ ?



- J 8. Find the value of  $x$  in the diagram below.

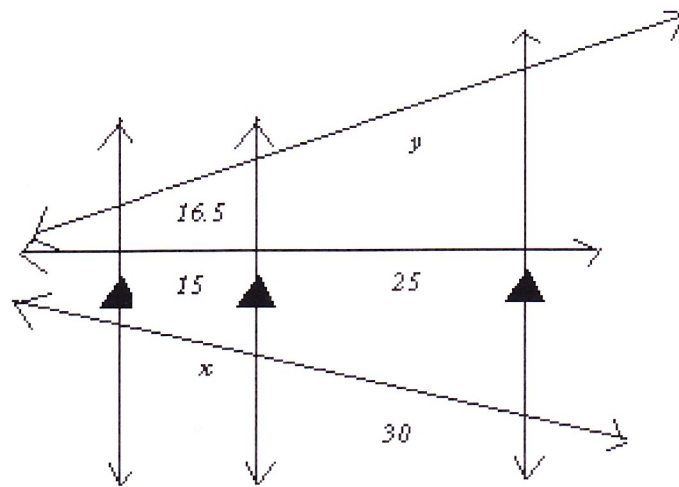


F 9. Sail makers use computers to create a pattern for every sail they make. Then, they draw a chalk outline on the cutting floor. After they cut out the panels of the sail, they sew them together to form the sail. The panel seams are parallel. Find  $x$ .



H 10. Using the sail diagram above, find  $y$ .

L 11. Find the value of  $x$  in the diagram below.



I 12. Using the diagram from #11, find  $y$ .