

Name: ANSWERS

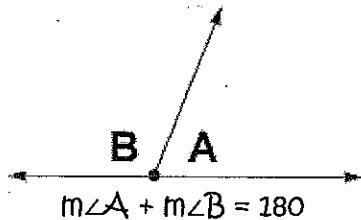
Date: _____ Period: _____

Angle Relationships and Equations

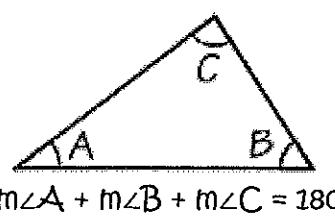
Use the three geometry facts below to set up an equation to solve in each problem.

Fact #1:

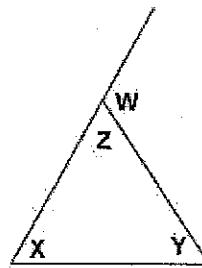
Two angles that make a straight line add up to 180.

Fact #2:

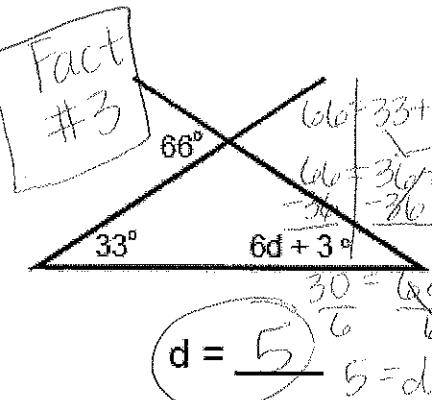
The three interior angles of a triangle add up to 180.

Fact #3:

The exterior angle of a triangle is equal to the sum of the two remote interior angles.



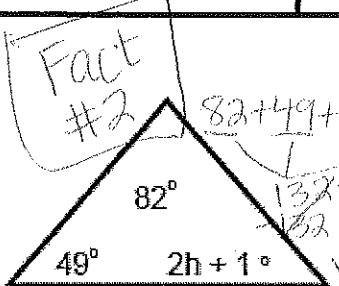
1.



$$d = \frac{5}{6}$$

$$5 = d$$

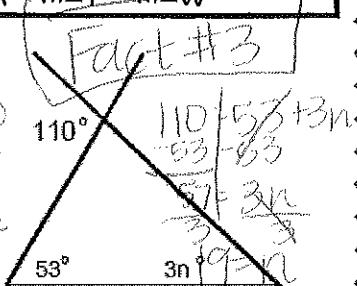
2.



$$h = 24$$

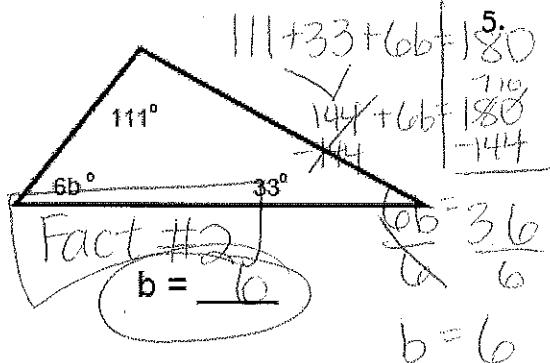
$$h = 24$$

3.



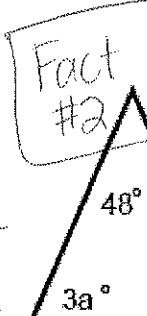
$$n = 19$$

4.



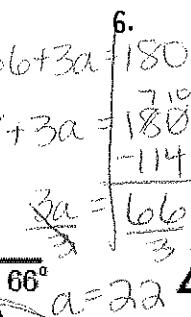
$$b = 6$$

$$b = 6$$



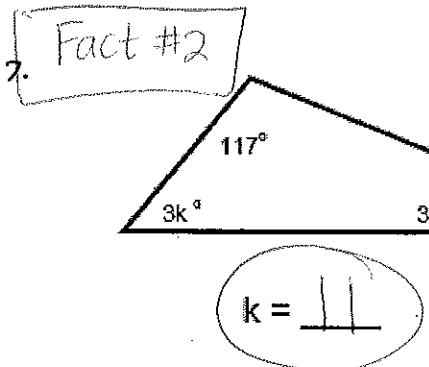
$$a = 22$$

5.



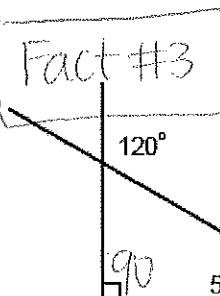
$$v = 13$$

7.



$$k = 11$$

8.



$$e = 6$$

$$k = 11$$