Geometry Worksheet Chapter 13

- 1. Triangle ABC has vertices A (-5,2), B (1,6) C (7,-4). Find
- a. the perimeter of ABC
- b. the slope of each side of ABC
- c. the slope of the altitude to each side of ABC
- d. the midpoint of each side of ABC

- 2..Triangle ABC has vertices A(-2,2) B (6,8) and C (4,-1). Find
- a. the equation of AC
- b. the length of AC.
- c. the length of the median to AB
- d. the equation of the altitude to AC.

Answers to Ch 13 worksheet

a.
$$2\sqrt{13} + 2\sqrt{34} + 6\sqrt{5}$$

b.
$$\frac{2}{3}, \dots \frac{-5}{3}, \dots \frac{-1}{2}$$

c.
$$\frac{-3}{2},...\frac{3}{5},...2$$

a.
$$y = \frac{-1}{2}x + 1$$

b.
$$3\sqrt{5}$$

c.
$$(4,-1)$$
, $(2,5) = 2\sqrt{10}$

d.
$$y = 2x - 4$$