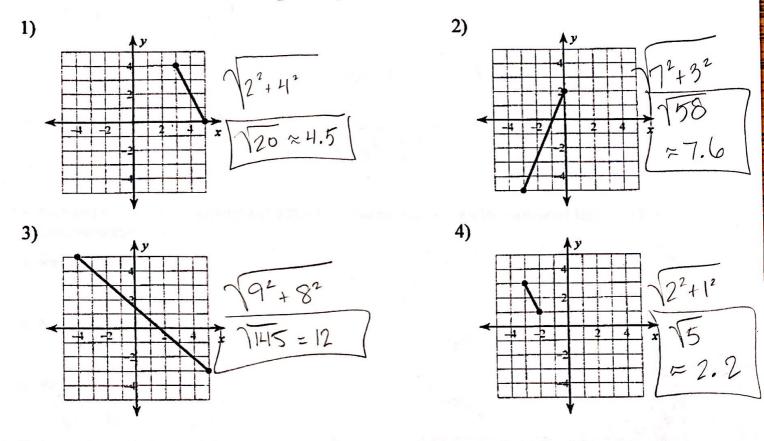
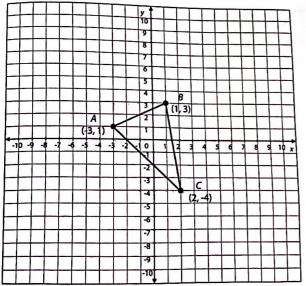
## Find the distance between each pair of points.

hay



5. Tyler and Arsha have mapped out locations for a game of manhunt. Tyler's position is represented by the point (-2, 1). Arsha's position is represented by the point (-7, 9). Each unit is equivalent to 100 feet. What is the approximate distance between Tyler and Arsha?

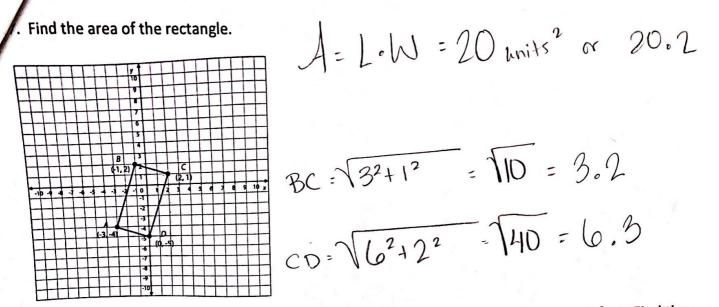
6. Find the perimeter of the triangle.



$$d = \sqrt{(-2-7)^2 + (1-9)^2}$$
  
$$d = \sqrt{5^2 + 8^2} = 189 = 9.48100 = 940$$
  
$$f = \sqrt{5^2 + 8^2} = 189 = 9.48100 = 940$$

$$AB = \sqrt{2^{2} + 41^{2}} = 120 = 4.5$$
$$BC = \sqrt{7^{2} + 1^{2}} = 150 = 7.1$$
$$AC = \sqrt{5^{2} + 5^{2}} = 150 = 7.1$$
$$P = 18.7 \text{ units}$$

## Scanned with CamScanner



8. Each unit on the map is equivalent to 1,000 feet. Round your answers to the nearest foot. Find the distance from the:

A. Post office to the bank  $\sqrt{3^2+5^2} = \sqrt{34} \approx 5.8 - 5800$ B. Marina to the school Post Office √72+72 = √98 ≈9.9->19900 C. Park to the farmer's market V12+62 = 137 = 6.1-\$6100 D. Farmer's market to the bank  $\gamma (9^2 + 5^2 = 105 = 10.3 - 10,300)$ E. Bank to the park V12+102- 1221 = 14.9-0 [14900] F. Marina to the farmer's market.  $\sqrt{2^2 + 10^2} = \sqrt{104} = 10.2 - 10,200$ 9. The local recreation department has created a map of is newest baseball field. The department is planning to install a rectangular-fence around the field. The corners of the field are represented on the map by the points A(-5, -10), (0, 12, 10), C(4, 23), D(-11, 18). How many feet of fencing are needed for the baseball field? What is the area of the fenced-in field? Each unit on the map represents 10 feet. P=88.8 T152152

P= 91.9

7 62+282

## Scanned with CamScanner