

Find the distance between each pair of points.

1) $(10, 20), (13, 16)$

3) $(-19, -16), (3, 14)$

2) $(15, 37), (42, 73)$

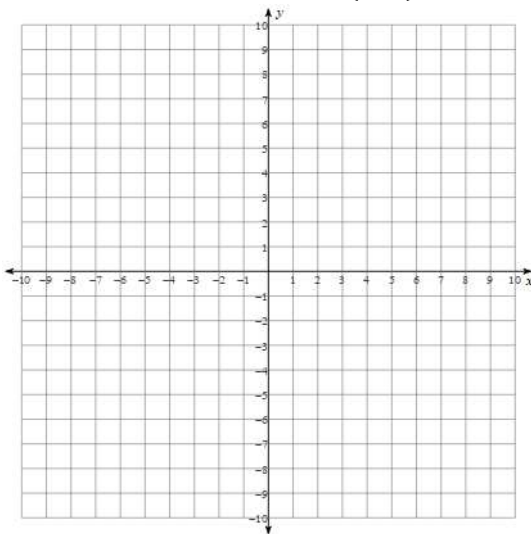
Complete.

4) Find the perimeter of $\triangle ABC$ with vertices $A(2, 4), B(8, 12)$, and $C(24, 0)$.

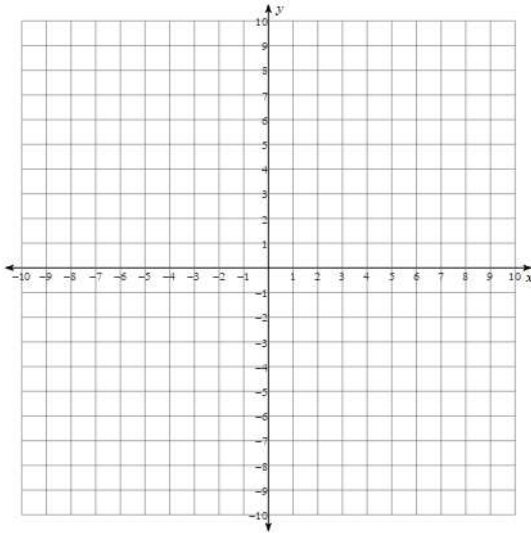
5) Determine whether $\triangle DEF$ with vertices $D(6, -6), E(39, -12)$, and $F(24, 18)$ is scalene, isosceles, or equilateral.

Graph each quadrilateral using the given vertices. Then use the distance formula and the slope formula to determine the most specific name for each quadrilateral: trapezoid, kite, rectangle, rhombus, square, parallelogram, or just quadrilateral.

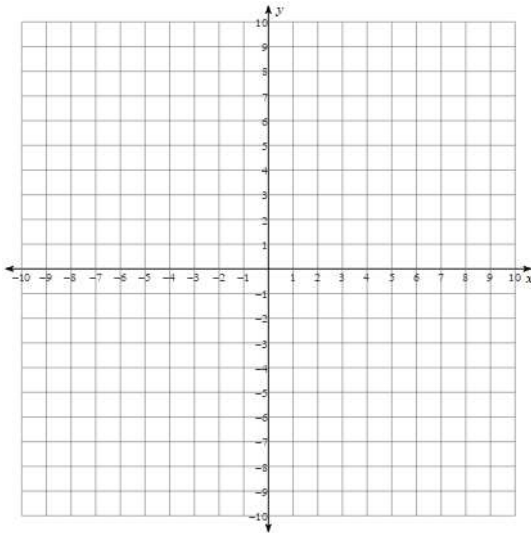
6) $A(6, 8), B(9, 7), C(7, 1), D(4, 2)$



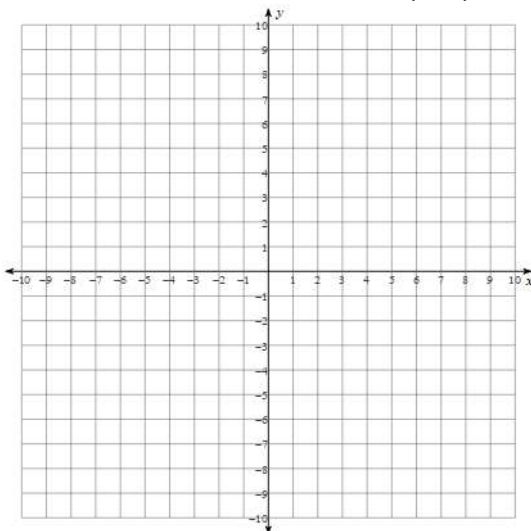
7) $E(1, -2), F(5, -5), G(2, -8), H(-2, -5)$



8) $I(-4, 0), J(-7, -1), K(-8, 2), L(-4, 5)$

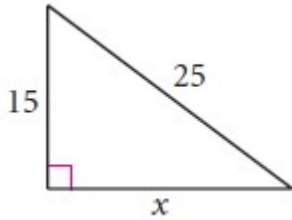


9) $M(-3, 5), N(-1, 1), O(3, 3), P(1, 7)$

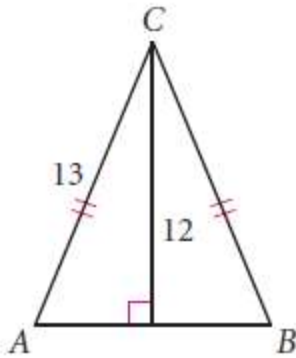


Find the missing measure. All measurements are in centimeters.

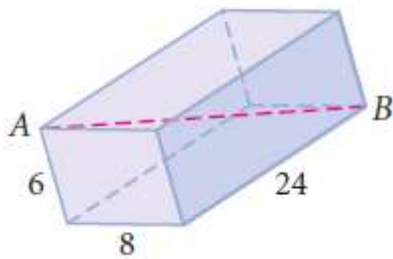
10) $x =$ _____



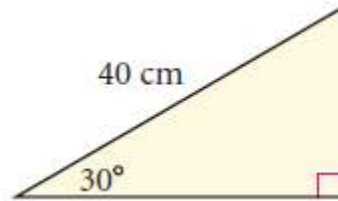
11) $AB =$ _____



12) The solid is a rectangular prism.
 $AB =$ _____



13) What is the area of the triangle?



14) The area of the square is 144 cm^2 .
Find d .

