

Get Ready

Length and Midpoint of a Line Segment

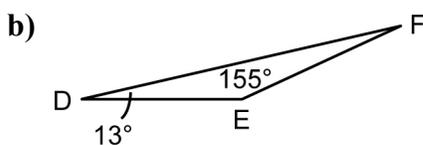
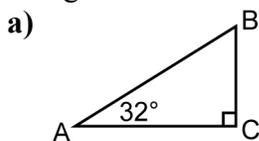
- Find the midpoint of each line segment.
 - AB with A(-3, 6) and B(5, -2)
 - MN with M(-6, 0) and N(4, 8)
 - PQ with P(2, 8) and Q(2, -5)
 - YZ with Y(-8, 7) and Z(4, 7)
- Find the exact length of each line segment.
 - CD with C(-3, 5) and D(1, 8)
 - GH with G(-4, -3) and H(2, 1)
 - KL with K(3, 5) and L(3, -2)
 - RS with R(1, -3) and S(5, -3)

Intersection of Lines

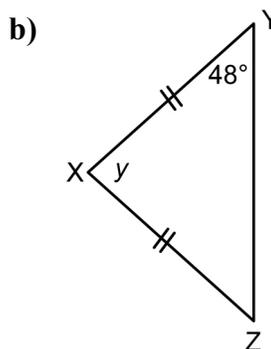
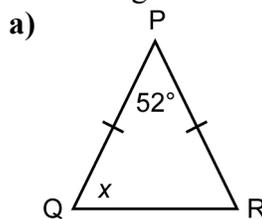
- Find the point of intersection of the lines represented by each pair of equations.
 - $y = x + 2$ and $y = -x - 4$
 - $y = x - 5$ and $y = -x + 2$
 - $y = 3x - 4$ and $y = x + 2$
- Find the point of intersection of the lines represented by each pair of equations.
 - $3x + y = 6$ and $2x - y = 9$
 - $2x + y = 6$ and $x - 2y = 8$
 - $3x + 4y = 6$ and $4x - 3y = 8$

Sum of the Angles in a Triangle

- Find the measure of the third angle in each triangle.



- Find the measure of the unknown angle in each triangle.



Types of Quadrilaterals

- List the key properties of
 - a square
 - a rhombus
 - a kite
- Draw an example of each shape and mark all equal sides and all parallel sides.
 - a rectangle
 - a trapezoid