

## Get Ready

### Length and Midpoint of a Line Segment

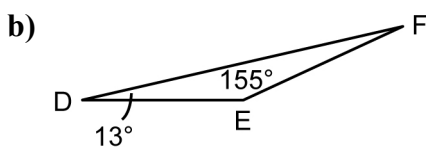
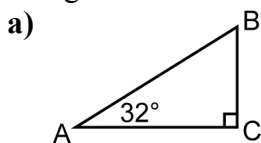
- Find the midpoint of each line segment.
  - AB with A(-3, 6) and B(5, -2)
  - MN with M(-6, 0) and N(4, 8)
  - PQ with P(2, 8) and Q(2, -5)
  - YZ with Y(-8, 7) and Z(4, 7)
- Find the exact length of each line segment.
  - CD with C(-3, 5) and D(1, 8)
  - GH with G(-4, -3) and H(2, 1)
  - KL with K(3,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

### Intersection of Lines

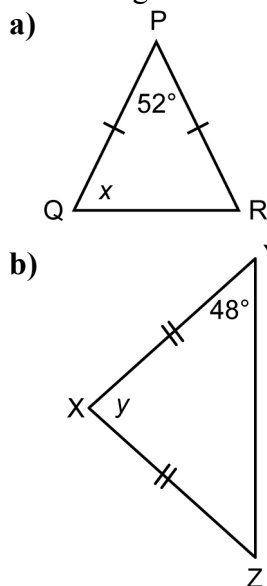
- Find the point of intersection of the lines represented by each pair of equations.
  - $y = x + 2$  and  $y = -x - 4$
  - $y = x - 5$  and  $y = -x + 2$
  - $y = 3x - 4$  and  $y = x + 2$
- Find the point of intersection of the lines represented by each pair of equations.
  - $3x + y = 6$  and  $2x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