

Solve for  $x$ .

- 1) scale: 0.5 in. represents 10 mi. If the drawing shows 3 in., the actual length is  $x$  mi.
- 2) scale: 2.5 centimeters 8 km. If the drawing shows  $x$  cm, the actual length is 24 km.
- 3) scale: 0.25 in. represents 20 mi. If the drawing shows  $x$  in., the actual length is 400 mi.
- 4) scale: 3 cm represents 10 mi. If the drawing shows 12 cm, the actual length is  $x$  mi.
- 5) scale: 8 in. represents 22 km. If the drawing shows  $x$  in., the actual length is 40 km.

Solve for  $x$  for the pair of similar figures.

