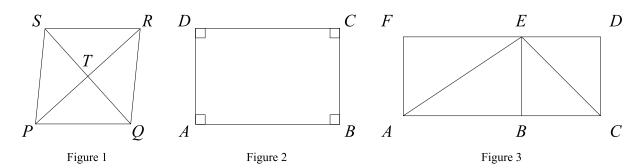
Handout 2: If It's Not A Right Angle...



Use Figure 1 for questions 1-4.

- 1. If SR = 3 mm and PS = 4 mm, what is the length of \overline{SQ} ?
- 2. How do we know that $\Delta SRT \cong \Delta QPT$?
- 3. If TQ = 20 ft and PQ = 24 ft, what is the perimeter of *PQRS*?
- 4. If PR = 13 m and $m \angle QPR = 67.4^{\circ}$, what is the perimeter of PQRS?

Use Figure 2 for questions 5-7.

- 5. If AE = 2 mi, what is the perimeter of ABCD?
- 6. If the perimeter of ABCD is 44 in, what is the length of \overline{AC} ?
- 7. What is the measure of $\angle ABD$ if $m \angle AED = 90^{\circ}$?

Use Figure 3 for questions 8-10.

- 8. \overrightarrow{ABEF} is a rectangle attached to square BCDE. If AE = 29 yd and AB = 21 yd, what is the length of \overrightarrow{EC} ?
- 9. If BC = 10 cm, what is the measure of $\angle BCE$?
- 10. If DC = 10 cm and AB = 15 cm, what is the measure of $\angle BAE$?

© 2016 Shmoop University, Inc. All rights reserved. For classroom use only. Want to print this out for your classroom? Go for it. All other reproduction and distribution is prohibited.