## 7-5 Solve It!



## 7-5 Lesson Quiz

1. What is the value of $x$ in the diagram?

2. What is the value of $x$ in the diagram?


## 3. Do you UNDERSTAND? What is the

 length of Site A along $\overline{Q Z}$ ?

## Answers

## Solve It!

0.48 in.; answers may vary.

Sample: The || lines determine similar ©, so $\frac{1.25}{1.25+0.42}=\frac{1.42}{1.42+x}$, which simplifies to $\frac{1.25}{1.67}=\frac{1.42}{1.42+x}$.

Then $1.25(1.42+x)=2.3714$

## Lesson Quiz

1. 3.5
(Cross Products Prop.);
2. 32
3. 10.4 yd
(Distr. Prop.); $1.25 x=0.5964$
(Subst. Prop. of $=$ ); $x=0.47712$
(Div. Prop. of Eq.); $x \approx 0.48$.
