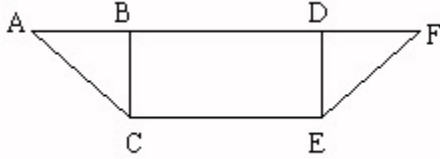


Geometry Practice

1.



Given:

$\angle CBA$ and $\angle EDF$ are 90°

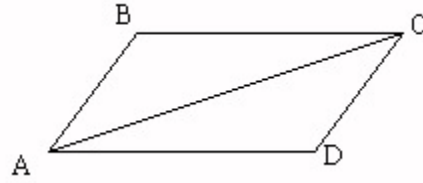
$AC \cong FE$

$BC \cong DE$

$AB \cong FD$

Prove: $\triangle ABC \cong \triangle FDE$

2.



Given:

$BC \cong DA$

$AB \cong CD$

$\angle BAC \cong \angle DCA$

Prove: $\triangle ABC \cong \triangle CDA$

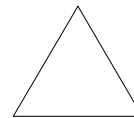
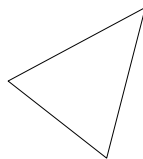
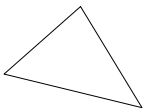
3. The difference between the measures of an angle and its supplement is fifty. Find the measure of both angles.

4. The measure of the complement of an angle is eight more than the measure of the angle. Find the measure of both angles.

5. The measure of the complement of an angle is $45 + x$. The measure of the supplement of an angle is $15x - 47$. What is the measure of the angle?

Classify each triangle as equilateral, isosceles, or scalene.

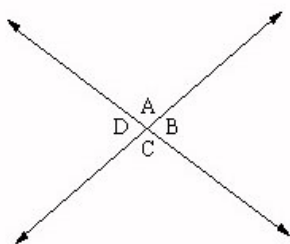
6. One side length is 4 cm. 7. Two side lengths are 6 in. 8. All three sides are 3 cm.



9. In parallelogram OWFI, $m\angle O = 49$, what is the $m\angle F$?

10. In parallelogram ABCD, $m\angle A = x + 86$ and $m\angle B = 46 + 11x$. What is the value of x ?

11. Find the value of x .

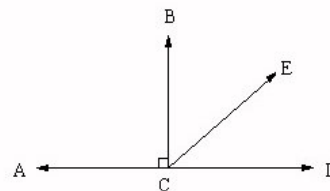


Given:

$m\angle D = 5x - 19$

$m\angle B = 5 + x$

12. Find the value of x .



Given:

$m\angle BCE = 3x - 25$

$m\angle DCE = x + 23$