## Bellwork 03/07/2012

The diagram shows the pieces of a puzzle.

1. Which pieces are translated?

$$
4+5
$$

2. Which pieces are reflected?

3. Which pieces are glide reflected?

$$
2+3
$$



## Draw Special Segments

Use $\odot P$ to draw the part of the circle described or answer the question.

Draw a diameter AB.

Draw a tangent line CB.
Draw chord DB.
Draw a secant through point $A$.


What is the name of the radius?


Draw Common Tangents
Tell how many common tangents the circles have and draw them. What type of circles are they?


concentric
2 external 2 internal

concentric
0

| Use the Radius |
| :---: |
| $B C$ is a radius of circle $C$ and $A B$ is tangent to circle $C$. Find the value of $x$. |

## Use Properties of Tangents

In circle $C, D A$ is tangent at $A$ and $D B$ is tangent at $B$. Find $x$.

$$
\begin{aligned}
6 x-8 & =25 \\
+8 & +8 \\
\frac{6}{6} & =33 \\
x & =5.5
\end{aligned}
$$



In circle $C, R S$ is tangent at $S$ and RT is tangent at $T$. Find $x$.


## Homework Assignment

## Worksheet 10.1B

$\square$

