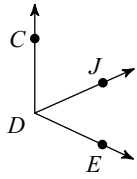
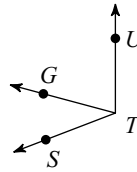


WS - PC Review 1.4 - 1.6

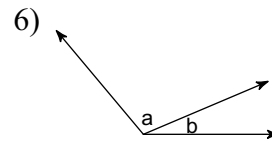
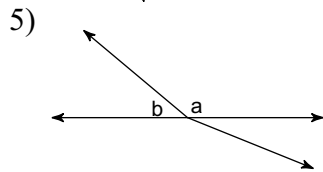
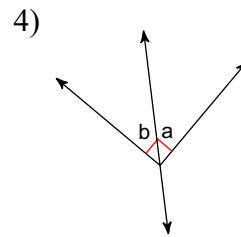
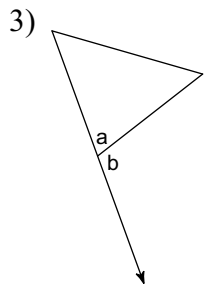
- 1) Find $m\angle CDJ$ if $m\angle JDE = 49x$, $m\angle CDE = 115^\circ$, and $m\angle CDJ = 65x + 1$.



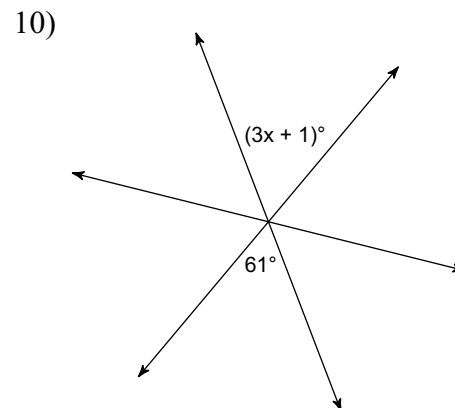
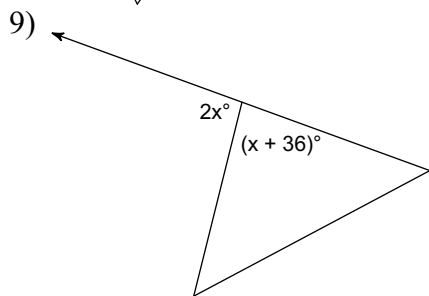
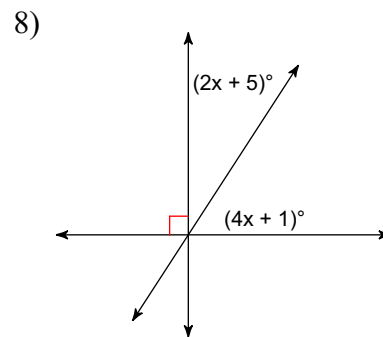
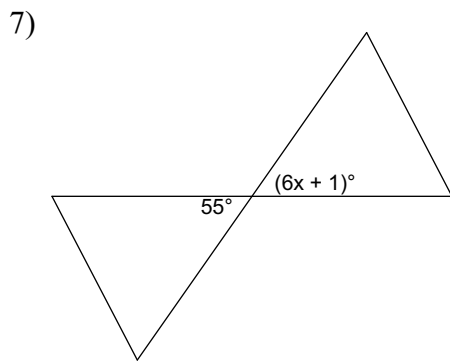
- 2) Find $m\angle STU$ if $m\angle GTU = 75^\circ$, $m\angle STG = 8x - 4$, and $m\angle STU = 21x + 6$.



Name the relationship: complementary, linear pair, vertical, or adjacent.

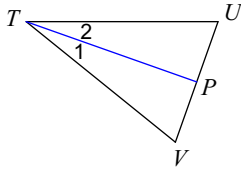


Find the value of x.

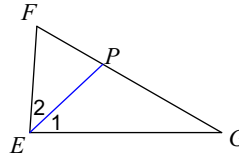


Each figure shows a triangle with one of its angle bisectors.

- 11) Find x if $m\angle I = 20x - 1$ and $m\angle VTU = 38x$.



- 12) $m\angle 2 = 21x + 1$ and $m\angle I = 20x + 3$. Find x .

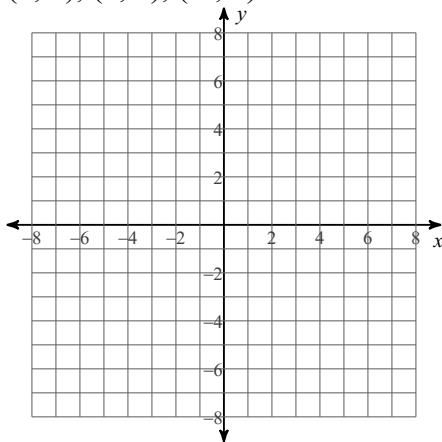


- 13) An angle is 8 times the measure of its complement. Find the measure of both angles.

- 14) An angle is 4 times the measure of its supplement. Find the measure of both angles.

The coordinates of a triangle are provided. Find the perimeter and area of each triangle. Leave the perimeter in simplest radical form and round the area to the nearest tenth.

- 15) $(8, 4), (2, 2), (-2, 8)$



- 16) $(-2, 7), (-4, -6), (-1, -5)$

