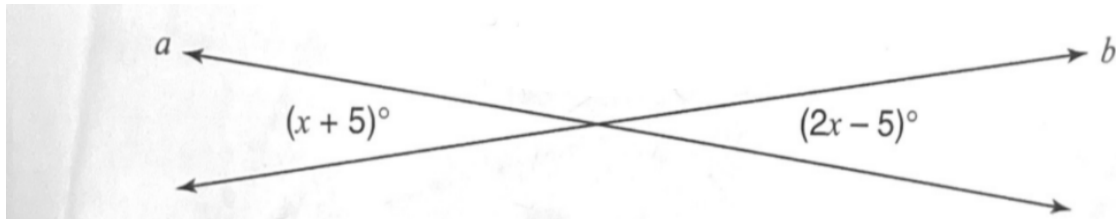


Geometry #7: Special Pairs of Angles
Do Now



1. In the accompanying diagram, line a intersects line b . What is the value of x ?

2. The measures of two complementary angles are represented by $3x + 15$ and $2x - 10$. What is the value of x ?

- (1) 17 (2) 19 (3) 35 (4) 37

3. What is the supplement of an angle whose measure is represented by $3x$?

- (1) $90 - 3x$ (2) $3x - 90$ (3) $180 - 3x$ (4) $3x - 180$

4. In two supplementary angles, the measure of one angle is 6 more than twice the measure of the other. The measures of these two angles are

- (1) 28° and 62° (3) 58° and 122°
(2) 32° and 58° (4) 62° and 118°