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## Rewrite the conditional statement in if-then form.

1.) When $x=6, x^{2}=36$
2.) The measure of a right angle is $90^{\circ}$
3.) Only people who are registered are allowed to vote.

For exercises 4-8, write each given statement in if-then form, then write its converse and inverse.
4.) Complementary angles add to $90^{\circ}$

If-then:
Converse:

Inverse:
5.) Ants are insects.

If-then:

Converse:
Inverse:
6.) $3 x+10=16$, because $x=2$.

If-then:

Converse:
Inverse:
7.) A midpoint bisects a segment.

If-then:

Converse:

Inverse:

Decide whether the statement is true or false. If it is false, then provide a counter example.
8.) If a polygon has five sides, then it is a regular pentagon.
9.) If $m \angle \mathrm{~A}$ is $85^{\circ}$, then the measure of the complement of $\angle \mathrm{A}$ is $5^{\circ}$.
10.) Supplementary angles are always linear pairs.

Write the following statements as a biconditional statement.
11.) An angle with a measure between $90^{\circ}$ and $180^{\circ}$ is called obtuse.
12.) Two angles are a linear pair if they are adjacent angles whose non-common sides are opposite rays.

