Directions: Find the missing angle to the nearest degree.

1) $\sin P=\frac{6}{10}$
2) $\cos \mathrm{M}=\frac{12}{13}$
3) $\tan P=\frac{3}{4}$
4) $\cos \mathrm{O}=\frac{15}{16}$
5) $\sin \mathrm{O}=\frac{1}{2}$

Directions: Find each angle. Round to the nearest degree.
6) A



9)


Directions: Find all the missing sides and angles on the triangle.
10)

11)


Directions: Draw a right triangle with points A, B, \& C to represent each set of given information. Then find all missing sides and angles. Assume $C$ is the right angle.
12) $\sin \mathrm{A}=\frac{3}{5}$
13) $\cos \mathrm{B}=\frac{12}{25}$
14) $\tan \mathrm{A}=\frac{13}{12}$
15) $\sin B=\frac{2}{3}$

Directions: Draw a triangle to represent the given situation. Then, find each missing side.
16) $\mathrm{M}, \mathrm{O}$, and N are the vertices of a right triangle. $\mathrm{MO}=25 \& \mathrm{MN}=20$. MO is the hypotenuse. What is $\mathrm{m} \angle \mathrm{M}$ ?
17) $\mathrm{J}, \mathrm{K}$, and L are the vertices of a right triangle. Angle J is the right angle. $\mathrm{JK}=12$ and JL is 2 times the size of $J K$. What is $\mathrm{m} \angle \mathrm{K}$ ?

