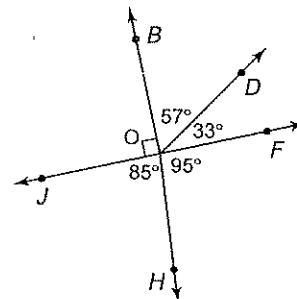


Skills Practice

Complementary and Supplementary Angles

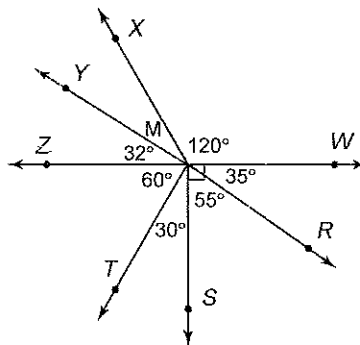
Refer to the figures at the right.

- Name a pair of complementary angles.
 $\angle BOD, \angle DOF$
- Name two right angles. $\angle BOJ, \angle BOF$
- Name three pairs of adjacent supplementary angles. $\angle JOB, \angle BOF$; $\angle JOD, \angle DOF$; $\angle JOH, \angle HOF$
- Find the measure of an angle that is complementary to $\angle JOH$. **5**



Exercises 1-6

- Find the measure of an angle that is supplementary to $\angle DOF$. **147**
- Find the measure of $\angle BOH$. **175**
- Name a pair of complementary angles.
 $\angle WMR, \angle RMS$ or $\angle SMT, \angle TMZ$
- Name two right angles. $\angle WMS, \angle ZMS$



Exercises 7-13

- Find the measure of an angle that is complementary to $\angle YMZ$. **58**
- Find the measure of an angle that is supplementary to $\angle WMT$. **60**
- Find the measure of $\angle XMY$. **28**
- Is $\angle YMT$ a right angle? Justify your answer. **No, its measure is $32 + 60$, or 92 .**
- Find the measure of an angle that is supplementary to $\angle XMR$. **25**
- Find $m\angle 3$ if $\angle 3$ and $\angle 4$ form a linear pair and $m\angle 4 = 55$. **125**
- If $\angle 1$ and $\angle 2$ form a linear pair and $m\angle 1 = 130$, find $m\angle 2$. **50**
- Angles $\angle DEF$ and $\angle XYZ$ form a linear pair. If $m\angle DEF = 170$, what is $m\angle XYZ$? **10**
- If $\angle 4$ and $\angle 8$ are complementary and $m\angle 4 = 45$, find $m\angle 8$. **45**
- If $m\angle 3 = 10$ and $\angle 3$ and $\angle 7$ are complementary, what is $m\angle 7$? **80**

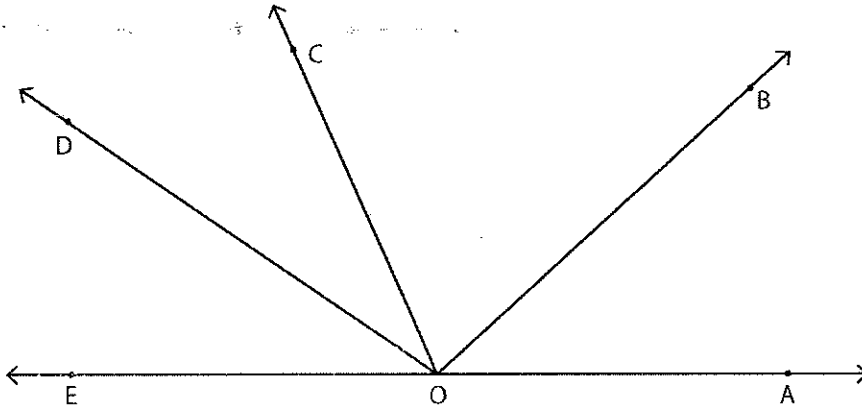
Name : _____

Score : _____

Answer Key

Identify the type of each angle.

1)



a) $\angle EOB =$ Obtuse

d) $\angle DOE =$ Acute

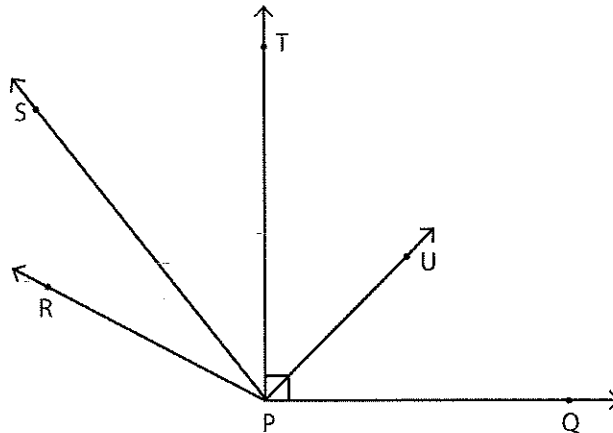
b) $\angle AOB =$ Acute

e) $\angle EOA =$ Straight

c) $\angle DOA =$ Obtuse

f) $\angle COD =$ Acute

2)



a) $\angle QPT =$ Right

d) $\angle TPS =$ Acute

b) $\angle UPQ =$ Acute

e) $\angle QPR =$ Obtuse

c) $\angle QPS =$ Obtuse

f) $\angle RPT =$ Acute