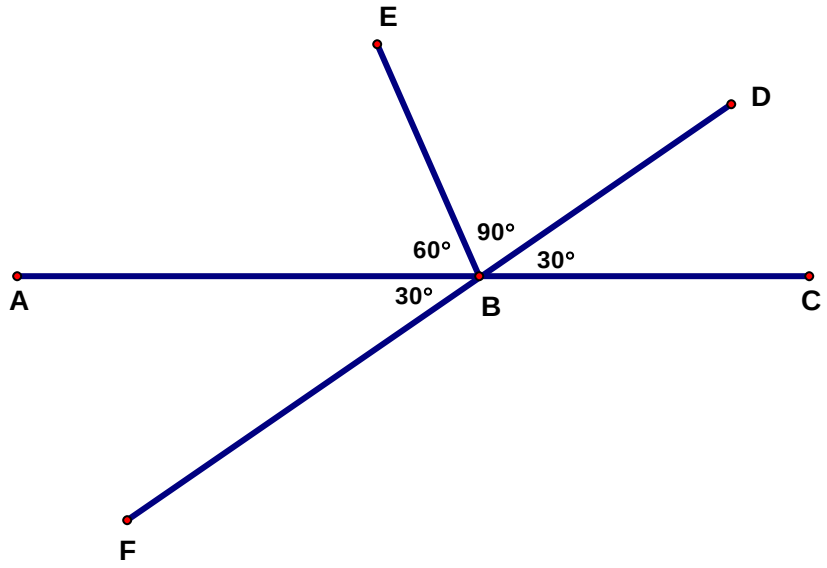
Geometry 1-5 Angles

Name: _____ Time› Start: _____ Finish: _____ Total Time = _____



_____ 1. In the figure above, what is the opposite ray of $\overrightarrow{BA}$?

_____ 2 In the figure above, what angles are 30°?

_____ 3. In the figure above, which angles are right angles? (There is more than one.)

_____ 4. In the figure above, which angles are complementary? (There is more than one.)

_____ 5. In the figure above, which angles are supplementary? (There is more than one.)

_____ 6. In the figure above, what angle is the vertical angle to $\angle CBD$?

_____ 7. In the figure above, what angle is the vertical angle to $\angle CBF$?

_____ 8. In the figure above, how many angles do you see that are less than 180°?

_____ 9. $\overrightarrow{BX}$ bisects $\angle ABC$. If $\angle ABX = 30°$, what is $\angle ABC$?

_____ 10. If $\angle A$ and $\angle B$ are supplementary angles with $\angle A = 70°$, what is the measurement of $\angle B$?

_____ 11. If $\angle A$ and $\angle B$ are complementary angles with $\angle A = 80°$, what is the measurement of $\angle B$?

_____ 12. If $\angle A$ and $\angle B$ are vertical angles and $\angle A = 70°$, what is the measurement of $\angle B$?

_____ 13. If $\angle A$ and $\angle B$ are a linear pair and $\angle A = 70°$, what is the measurement of $\angle B$?

_____ 14. $\overrightarrow{BX}$ bisects $\angle ABC$. If $\angle ABX = 3n + 10$, what is $\angle ABC$?

_____ 15. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 2n + 60$ and $\angle B = 4n + 20$, what is the measurement of $\angle B$?

_____ 16. If $\angle A$ and $\angle B$ are complementary angles with $\angle A = 7n + 6$ and $\angle B = 3n + 4$, what is the measurement of $\angle B$?

_____ 17. If $\angle A$ and $\angle B$ are a linear pair with $\angle A = n + 40$ and $\angle B = 9n + 20$, what is the measurement of $\angle B$?

_____ 18. If $\angle A$ and $\angle B$ are supplementary angles with $\angle A = 5n - 10$, what is $\angle B$? (Expression answer)

_____ 19. $\overrightarrow{BX}$ bisects $\angle ABC$. If $\angle ABX = 6 - 2n$, what is $\angle ABC$?

_____ 20. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 3n + 60$ and $\angle B = 4n + 50$, what is the measurement of $\angle B$?

_____ 21. If $\angle A$ and $\angle B$ are a linear pair with $\angle A = n + 40$ and $\angle B = n + 60$, what is the measurement of $\angle B$?

_____ 22. If $\angle A$ and $\angle B$ are complementary angles with $\angle A = 4n + 12$ and $\angle B = 6n + 8$, what is the measurement of $\angle B$?