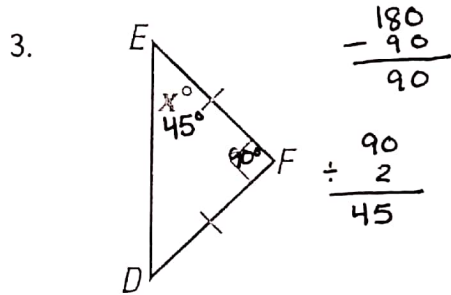
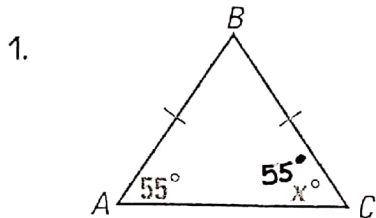


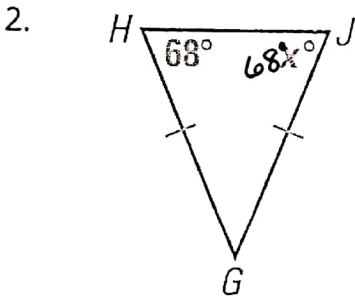
Name: Key

Isosceles Triangle Theorem and its Converse Homework

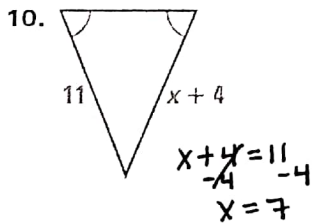
Find the value of x. Show all work.



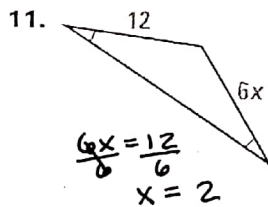
$$\begin{array}{r} 180 \\ - 90 \\ \hline 90 \\ \div 2 \\ \hline 45 \end{array}$$



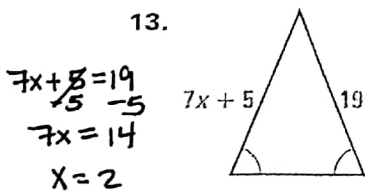
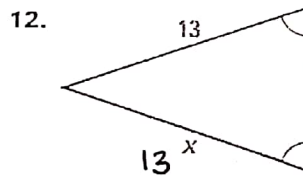
Find the value of x. Show all work.



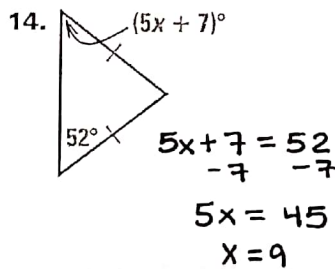
$$\begin{array}{r} x + 4 = 11 \\ - 4 \quad - 4 \\ \hline x = 7 \end{array}$$



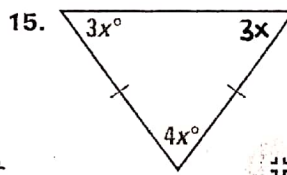
$$\begin{array}{r} 6x = 12 \\ \div 6 \quad \div 6 \\ \hline x = 2 \end{array}$$



$$\begin{array}{r} 7x + 5 = 19 \\ - 5 \quad - 5 \\ \hline 7x = 14 \\ \div 7 \quad \div 7 \\ \hline x = 2 \end{array}$$

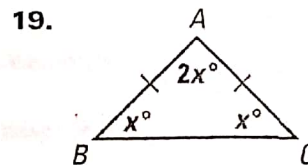
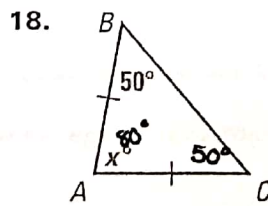
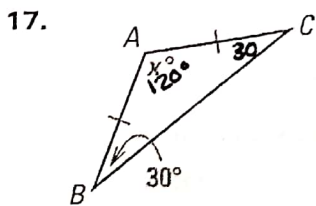


$$\begin{array}{r} 5x + 7 = 52 \\ - 7 \quad - 7 \\ \hline 5x = 45 \\ \div 5 \quad \div 5 \\ \hline x = 9 \end{array}$$



$$\begin{array}{r} 4x + 3x + 3x = 180 \\ 10x = 180 \\ \div 10 \quad \div 10 \\ \hline x = 18 \end{array}$$

Find the measure of $\angle A$.



$$\begin{array}{r} 2x + x + x = 180 \\ 4x = 180 \\ \div 4 \quad \div 4 \\ \hline x = 45 \end{array}$$