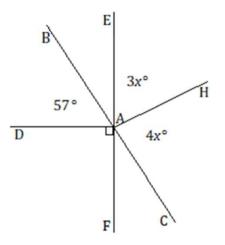
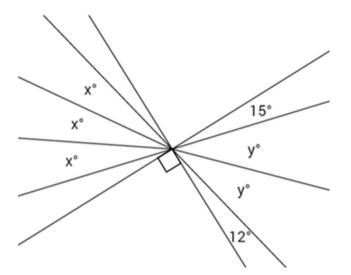
Angle Word Problems Worksheets

1. Set up and solve an equation to find the value of x. Find the measurements of $\angle EAH$ and $\angle HAC$.

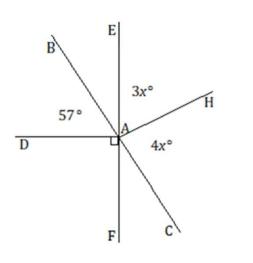


2. Set up and solve an equation to find the values of *x* and *y*.



Angle Word Problems Worksheets

1. Set up and solve an equation to find the value of x. Find the measurements of $\angle EAH$ and $\angle HAC$.



 $\angle BAE + 57 = 90$ $\angle BAE + 57 - 57 = 90 - 57$ $\angle BAE = 33$ $\angle BAE + 3x + 4x = 180$ 33 + 3x + 4x = 180 33 + 7x = 180 33 - 33 + 7x = 180 - 33 $7x = 147 \left(\frac{1}{7}\right) 7x = \left(\frac{1}{7}\right) 147$ x = 21

The measurement of $\angle EAH$: $3(21)^{\circ} = 63^{\circ}$ The measurement of $\angle HAC$: $4(21)^{\circ} = 84^{\circ}$

2. Set up and solve an equation to find the values of *x* and *y*.

